EduSahara™ Learning Center Assignment

Grade : Class VIII, ICSE
Chapter : Linear Inequations
Name : Single Variable
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1. Solve the inequation $(-5x+10) < 0, x \in Z$

(i) {1,0,-1,-2,-3,...}
(ii) {2,3,4,5,6,...}
(iii) {2,1,0,-1,-2,...}
(iv) {3,4,5,6,7,...}

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2. Solve the inequation $(-6x+48) > 0, x \in Z$

(i) {7,6,5,4,3,...}
(ii) {8,7,6,5,4,...}
(iii) {9,10,11,12,13,...}
(iv) {8,9,10,11,12,...}

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3. Solve the inequation $(8x+48) \leq 0, x \in Z$

(i) {-7,-8,-9,-10,-11,...}
(ii) {-6,-5,-4,-3,-2,...}
(iii) {-5,-4,-3,-2,-1,...}
(iv) {-6,-7,-8,-9,-10,...}

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4. Solve the inequation $(-9x+27) \geq 0, x \in Z$

(i) {3,2,1,0,-1,...}
(ii) {2,1,0,-1,-2,...}
(iii) {3,4,5,6,7,...}
(iv) {4,5,6,7,8,...}

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5. Find the solution set for the given inequation
$(-8x-24) < 0$, where the replacement set is {-5,-4,-3,-2,-1,0,1}

(i) {-4,-5,-6,-7,-8}

(ii) {-2,-1,0,1}

(iii) {-3,-2,-1,0,1}

(iv) {-3,-4,-5,-6,-7}

(v) {-2,-1,0,1,2}

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6. Find the solution set for the given inequation

$(-6x - 36) > 0$, where the replacement set is {-4,-5,-6,-7,-8,-9,-10}

(i) {-6,-5,-4,-3,-2}

(ii) {-6,-7,-8,-9,-10}

(iii) {-5,-4,-3,-2,-1}

(iv) {-7,-8,-9,-10}

(v) {-7,-8,-9,-10,-11}

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7. Find the solution set for the given inequation

$(4x + 4) \leq 0$, where the replacement set is {2,1,0,-1,-2,-3,-4}

(i) {-1,0,1,2,3}

(ii) {-1,-2,-3,-4}

(iii) {0,1,2,3,4}

(iv) {-1,-2,-3,-4,-5}

(v) {-2,-3,-4,-5,-6}

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8. Find the solution set for the given inequation

$(5x + 35) \geq 0$, where the replacement set is {-10,-9,-8,-7,-6,-5,-4}

(i) {-8,-9,-10,-11,-12}

(ii) {-7,-8,-9,-10,-11}

(iii) {-7,-6,-5,-4,-3}

(iv) {-7,-6,-5,-4}

(v) {-6,-5,-4,-3,-2}

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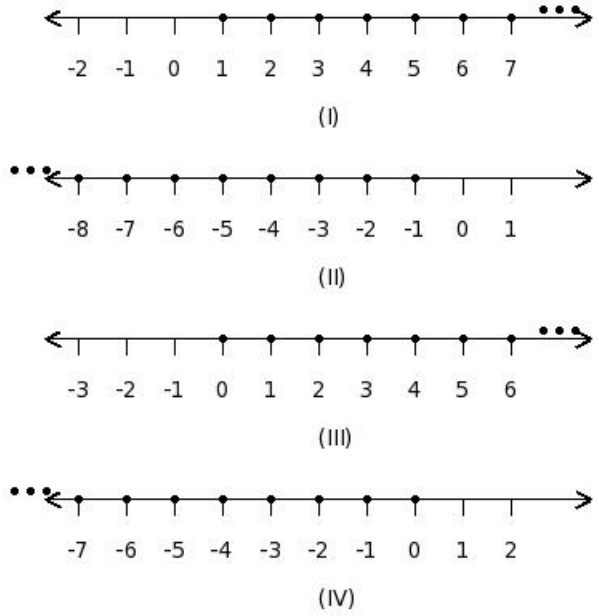
9. Identify the solution for the inequality $(-5x) < 0$, $x \in Z$



(i) I (ii) III (iii) II (iv) IV

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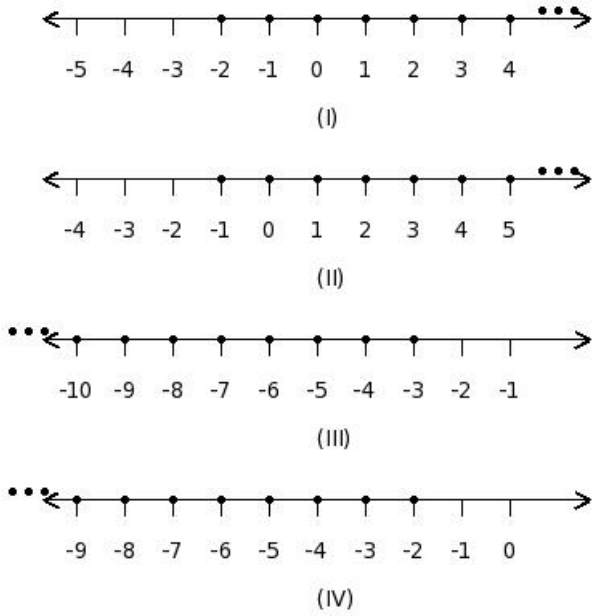
10. Identify the solution for the inequality $(-2x - 4) > 0 , x \in Z$



(i) I (ii) III (iii) II (iv) IV

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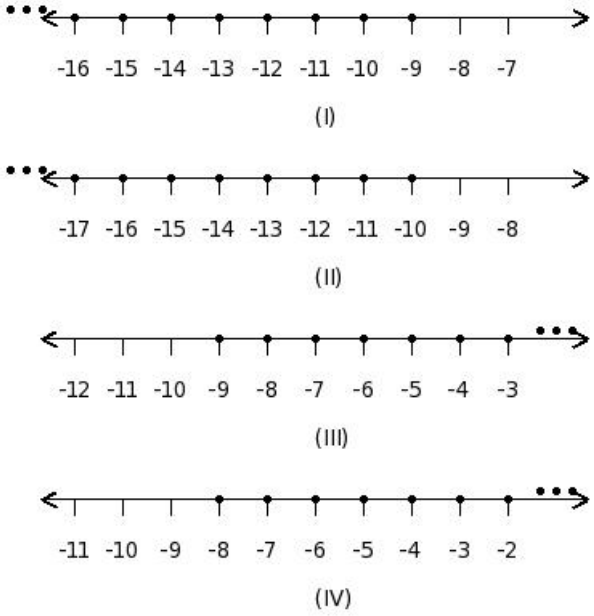
11. Identify the solution for the inequality $(-9x - 81) \leq 0 , x \in Z$



(i) I (ii) II (iii) III (iv) IV

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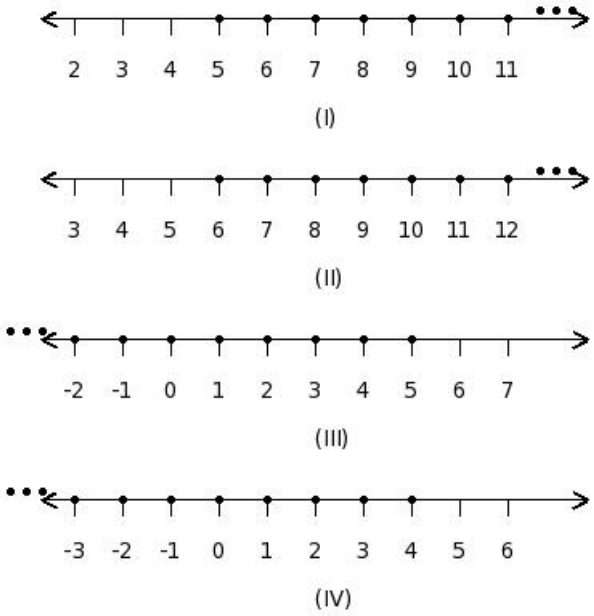
12. Identify the solution for the inequality $(5x - 25) \geq 0, x \in Z$



(i) II (ii) IV (iii) I (iv) III

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13. Which of the following is an inequation?

(i) $(3x + 2) = 0$ (ii) $(5x + 7)$ (iii) $(-6x - 7) < 0, x \in Z$ (iv) 1

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14. Which of the following is not an inequation?

(i) $(4x - 9) \leq 8, x \in Z$

(ii) $(-9x+2) \geq 8, x \in Z$

(iii) $(9x+9) < (-6), x \in Z$

(iv) $(9x-9) = 8$

(v) $(-7x+2) > (-4), x \in Z$

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15. Which of the following is not an inequation?

(i) $(4x-3) = (-x-6)$

(ii) $(-6x-7) \leq (-5x-3), x \in Z$

(iii) $(-5x+8) > (-6x-8), x \in Z$

(iv) $(4x-6) \geq (6x+1), x \in Z$

(v) $(3x+8) < (8x+7), x \in Z$

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16. Which of the following inequations is the same as $(-6x-9) < (-8x-9), x \in Z$

(i) $(-x-18) > (-8x-9), x \in Z$

(ii) $(-x-18) < (-8x-9), x \in Z$

(iii) $(-6x-9) < (-3x-18), x \in Z$

(iv) $(-x-18) < (-3x-18), x \in Z$

(v) $(-6x-9) > (-3x-18), x \in Z$

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17. Which of the following inequations is the same as $(2x+7) < (-9x-8), x \in Z$

(i) $(-3x+3) < (-14x-12), x \in Z$

(ii) $(-3x+3) > (-9x-8), x \in Z$

(iii) $(2x+7) < (-14x-12), x \in Z$

(iv) $(-3x+3) < (-9x-8), x \in Z$

(v) $(2x+7) > (-14x-12), x \in Z$

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18. Which of the following inequations is the same as $(-2x-6) \leq (5x-8), x \in Z$

(i) $(-2x-6) < (13x-5), x \in Z$

(ii) $(6x-3) > (5x-8), x \in Z$

(iii) $(6x-3) \leq (13x-5), x \in Z$

(iv) $(-2x-6) > (13x-5), x \in Z$

(v) $(6x-3) < (5x-8), x \in Z$

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19. Which of the following inequations is the same as $(5x-8) \leq (2x+6), x \in Z$

(i) $(7x-15) > (2x+6), x \in Z$

(ii) $(7x-15) < (2x+6), x \in Z$

(iii) $(5x-8) > (4x-1), x \in Z$

(iv) $(5x-8) < (4x-1), x \in Z$

(v) $(7x-15) \leq (4x-1), x \in Z$

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20. Which of the following inequations is the same as $(x-1) > (5x-4), x \in Z$

(i) $(x-1) < (7x-6), x \in Z$

(ii) $(3x-3) < (5x-4), x \in Z$

(iii) $(3x-3) > (7x-6), x \in Z$

(iv) $(3x-3) > (5x-4), x \in Z$

(v) $(x-1) > (7x-6), x \in Z$

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21. Which of the following inequations is the same as

$(3x+2) > (-5x+4), x \in Z$

(i) $(3x+2) > (-7x-5), x \in Z$

(ii) $(x-7) < (-5x+4), x \in Z$

(iii) $(x-7) > (-7x-5), x \in Z$

(iv) $(x-7) > (-5x+4), x \in Z$

(v) $(3x+2) < (-7x-5), x \in Z$

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22. Which of the following inequations is the same as
$(4x-8) \geq (6x+4), x \in Z$

(i) $(-3x-7) < (6x+4), x \in Z$

(ii) $(4x-8) > (-x+5), x \in Z$

(iii) $(4x-8) < (-x+5), x \in Z$

(iv) $(-3x-7) \geq (-x+5), x \in Z$

(v) $(-3x-7) > (6x+4), x \in Z$

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23. Which of the following inequations is the same as
$(-5x-3) \geq (4x+9), x \in Z$

(i) $(-6) > (4x+9), x \in Z$

(ii) $(-5x-3) < (9x+6), x \in Z$

(iii) $(-5x-3) > (9x+6), x \in Z$

(iv) $(-6) \geq (9x+6), x \in Z$

(v) $(-6) < (4x+9), x \in Z$

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24. Which of the following inequations is the same as
$(4x-8) < (3x+9), x \in Z$

(i) $(4x-8) < (21x+63), x \in Z$

(ii) $(4x-8) > (21x+63), x \in Z$

(iii) $(28x-56) < (21x+63), x \in Z$

(iv) $(28x-56) > (3x+9), x \in Z$

(v) $(28x-56) < (3x+9), x \in Z$

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25. Which of the following inequations is the same as $(-8x-2) \leq (-6x+6), x \in Z$

(i) $(-40x-10) < (-6x+6), x \in Z$

(ii) $(-8x-2) > (-30x+30), x \in Z$

(iii) $(-40x-10) \leq (-30x+30), x \in Z$

(iv) $(-8x-2) < (-30x+30), x \in Z$

(v) $(-40x-10) > (-6x+6), x \in Z$

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26. Which of the following inequations is the same as $(6x-1) > 9x, x \in Z$

(i) $(30x-5) > 45x, x \in Z$

(ii) $(30x-5) < 9x, x \in Z$

(iii) $(6x-1) > 45x, x \in Z$

(iv) $(6x-1) < 45x, x \in Z$

(v) $(30x-5) > 9x, x \in Z$

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27. Which of the following inequations is the same as $(9x-6) \geq (8x+5), x \in Z$

(i) $(63x-42) > (8x+5), x \in Z$

(ii) $(63x-42) < (8x+5), x \in Z$

(iii) $(9x-6) > (56x+35), x \in Z$

(iv) $(\ 9x - 6\ ) < (\ 56x + 35\ ),\ x \in Z$

(v) $(\ 63x - 42\ ) \geq (\ 56x + 35\ ),\ x \in Z$

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28. Which of the following inequations is not the same as
$(-5x - 7) < (-8x - 4),\ x \in Z$

(i) $(-x) < (-4x + 3),\ x \in Z$

(ii) $(-x) < (-16x + 3),\ x \in Z$

(iii) $(-8x + 1) < (-11x + 4),\ x \in Z$

(iv) $(-11) < (-3x - 8),\ x \in Z$

(v) $(-13x) < (-16x + 3),\ x \in Z$

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29. Which of the following inequations is not the same as
$9x < (-4x + 9),\ x \in Z$

(i) $(\ 14x + 5\ ) < (\ x + 14\ ),\ x \in Z$

(ii) $(\ x - 4\ ) < (-12x + 5),\ x \in Z$

(iii) $(\ 6x - 7\ ) < (-7x + 2),\ x \in Z$

(iv) $(\ 2x + 9\ ) < (-11x + 18),\ x \in Z$

(v) $(\ x - 4\ ) < (-11x + 18),\ x \in Z$

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30. Which of the following inequations is not the same as
$(\ 6x - 2\ ) \leq (\ 4x + 4\ ),\ x \in Z$

(i) $(\ 15x - 8\ ) \leq (\ 12x + 7\ ),\ x \in Z$

(ii) $(\ 14x + 1\ ) \leq (\ 12x + 7\ ),\ x \in Z$

(iii) $(\ 9x + 4\ ) \leq (\ 7x + 10\ ),\ x \in Z$

(iv) $(\ 14x + 7\ ) \leq (\ 12x + 13\ ),\ x \in Z$

(v) $(\ 15x - 8\ ) \leq (\ 13x - 2\ ),\ x \in Z$

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31. Which of the following inequations is not the same as
$(8x-8) \leq (-7x+9), x \in Z$

(i) $(17x+1) \leq (2x+18), x \in Z$

(ii) $(-x) \leq (-16x+17), x \in Z$

(iii) $(17x+1) \leq (-4x+7), x \in Z$

(iv) $(-x-17) \leq (-16x), x \in Z$

(v) $(11x-10) \leq (-4x+7), x \in Z$

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32. Which of the following inequations is not the same as
$(-7x-7) > (7x-8), x \in Z$

(i) $(-11x-1) > (3x-2), x \in Z$

(ii) $(-12x-15) > (2x-16), x \in Z$

(iii) $(-11x-1) > (3x-15), x \in Z$

(iv) $(-11) > (14x-12), x \in Z$

(v) $(-11x-14) > (3x-15), x \in Z$

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33. Which of the following inequations is not the same as
$(-3x+6) > (x-4), x \in Z$

(i) $(-10x+10) > (-6x), x \in Z$

(ii) $(-10x+10) > (-8x-5), x \in Z$

(iii) $(-7x+5) > (-3x-5), x \in Z$

(iv) $(-5x+9) > (-x-1), x \in Z$

(v) $(-12x+5) > (-8x-5), x \in Z$

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34. Which of the following inequations is not the same as
$(-3x-3) \geq (x-4), x \in Z$

(i) $(-11x-7) \geq (-7x-8), x \in Z$

(ii) $x \geq (5x-1), x \in Z$

(iii) $2x \geq (6x-1), x \in Z$

(iv) $(2x+1) \geq (6x-1), x \in Z$

(v) $(2x+1) \geq 6x, x \in Z$

---

35. Which of the following inequations is not the same as $(9x+4) \geq (7x+3), x \in Z$

(i) $(10x+4) \geq (-x+1), x \in Z$

(ii) $(11x+5) \geq (9x+4), x \in Z$

(iii) $(13x+4) \geq (11x+3), x \in Z$

(iv) $(x+2) \geq (-x+1), x \in Z$

(v) $(10x+4) \geq (8x+3), x \in Z$

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36. The solution set of the inequality $(-8x-9) < (-2x+6), x \in Z$ is

(i) {-2,-1,0,1,2,...}
(ii) {0,1,2,3,4,...}
(iii) {-3,-4,-5,-6,-7,...}
(iv) {-3,-2,-1,0,1,...}

---

37. The solution set of the inequality $(x-5) > (8x+1), x \in Z$ is

(i) {-1,-2,-3,-4,-5,...}
(ii) {1,2,3,4,5,...}
(iii) {0,1,2,3,4,...}
(iv) {0,-1,-2,-3,-4,...}

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38. The solution set of the inequality $(2x-8) \leq (-9x+8), x \in Z$ is

(i) {1,0,-1,-2,-3,...}
(ii) {2,3,4,5,6,...}

(iii) {0,-1,-2,-3,-4,...}

---

39. The solution set of the inequality $(-5x+5) \geq (-3x-4)$, $x \in Z$ is

(i) {4,3,2,1,0,...}
(ii) {5,6,7,8,9,...}
(iii) {2,3,4,5,6,...}
(iv) {0,-1,-2,-3,-4,...}

---

40. The solution set of the inequality $(-8x-8) < (-8)$, $x \in Z$ is

(i) {-5,-6,-7,-8,-9,...}
(ii) {1,2,3,4,5,...}
(iii) {0,-1,-2,-3,-4,...}
(iv) {-1,-2,-3,-4,-5,...}

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41. The solution set of the inequality $(9x-3) > 0$, $x \in Z$ is

(i) {1,2,3,4,5,...}
(ii) {0,-1,-2,-3,-4,...}
(iii) {3,4,5,6,7,...}

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42. The solution set of the inequality $(-8x-6) \leq (-2)$, $x \in Z$ is

(i) {3,2,1,0,-1,...}
(ii) {-1,-2,-3,-4,-5,...}
(iii) {0,-1,-2,-3,-4,...}
(iv) {0,1,2,3,4,...}

---

43. The solution set of the inequality $(-4x-3) \geq 8$, $x \in Z$ is

(i) {-2,-1,0,1,2,...}
(ii) {-3,-4,-5,-6,-7,...}
(iii) {-1,-2,-3,-4,-5,...}
(iv) {1,0,-1,-2,-3,...}

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44. The simplified form of the inequality $(x-6) < 1$, $x \in Z$ is

(i) $x \geq 8 , x \in Z$

(ii) $x < 6 , x \in Z$

(iii) $x \leq 8 , x \in Z$

(iv) $x > 6 , x \in Z$

(v) $x < 7 , x \in Z$

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45. The simplified form of the inequality $7x > (-9) , x \in Z$ is

(i) $x > (-\frac{9}{7}) , x \in Z$

(ii) $x > (-\frac{10}{7}) , x \in Z$

(iii) $x \leq (-\frac{8}{7}) , x \in Z$

(iv) $x \geq (-\frac{8}{7}) , x \in Z$

(v) $x < (-\frac{10}{7}) , x \in Z$

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46. The simplified form of the inequality $(6x + 5) \leq 8 , x \in Z$ is

(i) $x < \frac{1}{3} , x \in Z$

(ii) $x > \frac{1}{3} , x \in Z$

(iii) $x \leq \frac{1}{2} , x \in Z$

(iv) $x \geq \frac{2}{3} , x \in Z$

(v) $x \leq \frac{2}{3} , x \in Z$

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47. The simplified form of the inequality $(6x + 9) \geq (-4) , x \in Z$ is

(i) $x \geq (-\frac{13}{6}) , x \in Z$

(ii) $x > (-\frac{7}{3}) , x \in Z$

(iii) $x < (-\frac{7}{3}) , x \in Z$

(iv) $x \leq (-2), x \in Z$

(v) $x \geq (-2), x \in Z$

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48. The simplified form of the inequality $(8x - 4) < (5x + 3), x \in Z$ is

(i) $x < 2, x \in Z$

(ii) $x < \frac{7}{3}, x \in Z$

(iii) $x > 2, x \in Z$

(iv) $x \geq \frac{8}{3}, x \in Z$

(v) $x \leq \frac{8}{3}, x \in Z$

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49. The simplified form of the inequality $(-7x + 9) > (4x + 3), x \in Z$ is

(i) $x \leq \frac{5}{11}, x \in Z$

(ii) $x < \frac{7}{11}, x \in Z$

(iii) $x > \frac{7}{11}, x \in Z$

(iv) $x \geq \frac{5}{11}, x \in Z$

(v) $x < \frac{6}{11}, x \in Z$

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50. The simplified form of the inequality $(-5x - 8) \leq (x - 3), x \in Z$ is

(i) $x \leq (-1), x \in Z$

(ii) $x < (-\frac{2}{3}), x \in Z$

(iii) $x > (-\frac{2}{3}), x \in Z$

(iv) $x \geq (-\frac{5}{6}), x \in Z$

(v) $x \geq (-1), x \in Z$

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51. The simplified form of the inequality $(-x + 5) \geq (-3x + 1), x \in Z$ is

(i) $x \geq (-2)$, $x \in Z$

(ii) $x < (-\frac{5}{2})$, $x \in Z$

(iii) $x \geq (-\frac{3}{2})$, $x \in Z$

(iv) $x > (-\frac{5}{2})$, $x \in Z$

(v) $x \leq (-\frac{3}{2})$, $x \in Z$

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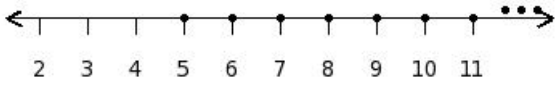
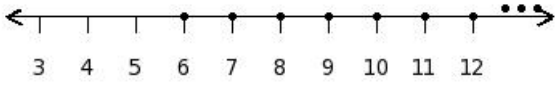
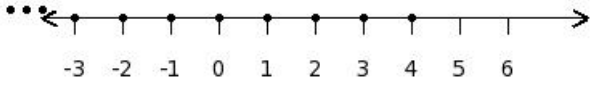
52. Which of the following figures represents the solution set {6,7,8,9,10,11,...}



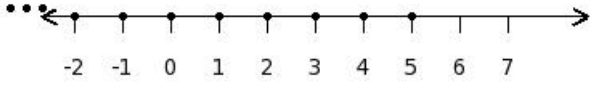
(I)



(II)



(III)



(IV)

(i) II (ii) I (iii) III (iv) IV

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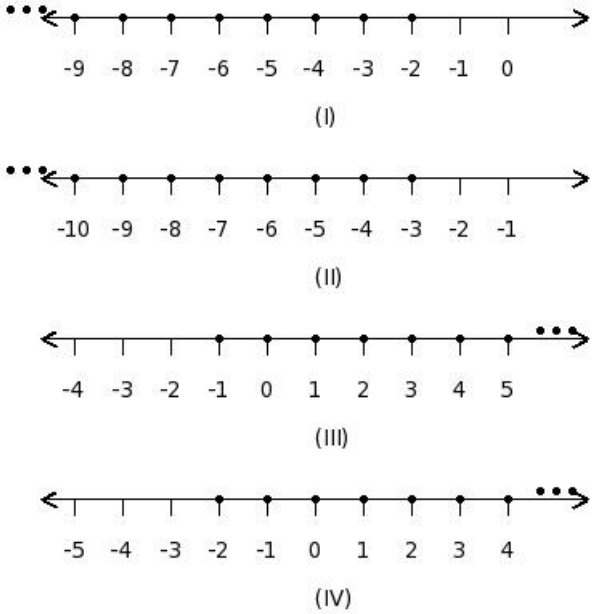
53. Which of the following figures represents the solution set {-3,-4,-5,-6,-7,-8,...}



(i) I (ii) II (iii) III (iv) IV

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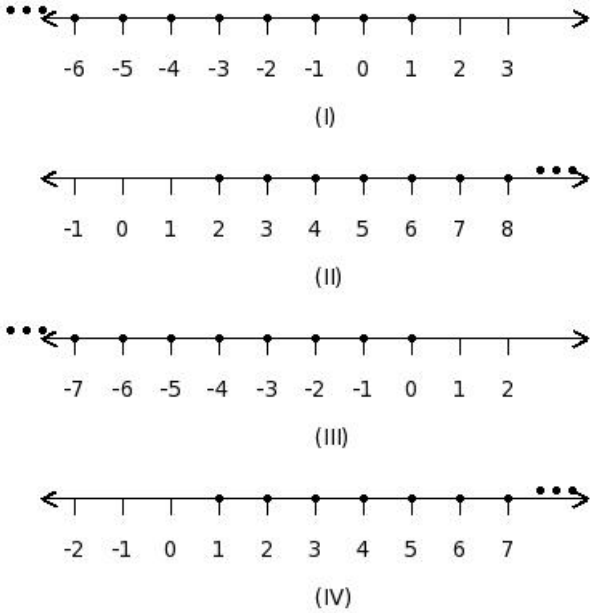
54. Which of the following figures represents the solution set {1,2,3,4,5,6,...}



(i) III (ii) II (iii) I (iv) IV

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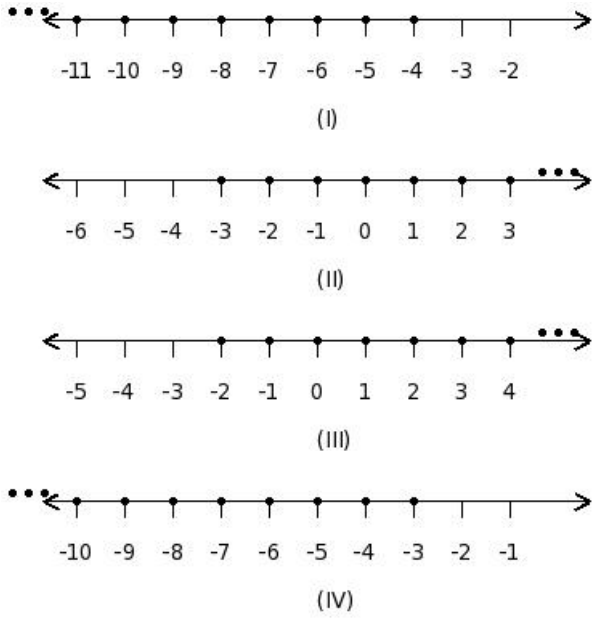
55. Which of the following figures represents the solution set {-3,-2,-1,0,1,2,...}



(i) III (ii) IV (iii) I (iv) II

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56. Which of the following statements are true?

a) Multiplying same positive number on both sides does not change the inequality
b) Adding same number on both sides does not change the inequality
c) Multiplying same negative number on both sides does not change the inequality
d) Dividing same negative number on both sides does not change the inequality
e) Dividing same positive number on both sides does not change the inequality
f) Subtracting same number on both sides does not change the inequality

(i) {c,f,a} (ii) {a,b,e,f} (iii) {c,a} (iv) {c,d,e} (v) {d,b}

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57. Which of the following inequations is not the same as

$(-8x+3) < (-4x-3), x \in Z$

(i) $(40x-15) > (20x+15), x \in Z$

(ii) $(-40x+15) < (-20x-15), x \in Z$

(iii) $(72x-27) > (36x+27), x \in Z$

(iv) $(-24x+9) < (-12x-9), x \in Z$

(v) $(-24x+9) < (-20x-15), x \in Z$

---

58. Which of the following inequations is not the same as

$(-7x-3) \leq (3x+8), x \in Z$

(i) $(-28x-12) \leq (12x+32), x \in Z$

(ii) $(56x+24) \geq (-24x-64), x \in Z$

(iii) $(-14x-6) \leq (6x+16), x \in Z$

(iv) $(-63x-27) \leq (12x+32), x \in Z$

(v) $(-63x-27) \leq (27x+72), x \in Z$

---

59. Which of the following inequations is not the same as $(2x-7) > (8x+8), x \in Z$

(i) $(16x-56) > (64x+64), x \in Z$

(ii) $(4x-14) > (16x+16), x \in Z$

(iii) $(12x-42) > (16x+16), x \in Z$

(iv) $(-16x+56) < (-64x-64), x \in Z$

(v) $(12x-42) > (48x+48), x \in Z$

---

60. Which of the following inequations is not the same as $(7x+6) \geq (2x-3), x \in Z$

(i) $(7x+6) \geq (2x-3), x \in Z$

(ii) $(-35x-30) \leq (-10x+15), x \in Z$

(iii) $(-56x-48) \leq (-16x+24), x \in Z$

(iv) $(-14x-12) \leq (-4x+6), x \in Z$

(v) $(7x+6) \geq (-16x+24), x \in Z$

---

61. Find the solution set of given inequality $(-x-3) < 0, x \in Z$

(i) {-2,-1,0,1,...}

(ii) {-3,-4,-5,-6,...}

(iii) {-4,-5,-6,-7,...}

(iv) {-3,-2,-1,0,...}

Find the solution set of given inequality

62. $(\ 6x + 12\ ) > 0\ ,\ x \in Z$

(i) {-1,0,1,2,...}

(ii) {-2,-3,-4,-5,...}

(iii) {-2,-1,0,1,...}

(iv) {-3,-4,-5,-6,...}

Find the solution set of given inequality

63. $(\ -9x - 45\ ) \leq 0\ ,\ x \in Z$

(i) {-5,-6,-7,-8,...}

(ii) {-5,-4,-3,-2,...}

(iii) {-6,-7,-8,-9,...}

(iv) {-4,-3,-2,-1,...}

Find the solution set of given inequality

64. $(\ -2x + 2\ ) \geq 0\ ,\ x \in Z$

(i) {0,-1,-2,-3,...}

(ii) {1,2,3,4,...}

(iii) {2,3,4,5,...}

(iv) {1,0,-1,-2,...}

---

65. Find the solution set of $4 < 2x < 12\ ,\ x \in Z$

(i) {5,6,7}

(ii) {1,2,3}

(iii) {2,3,4}

(iv) {3,4,5}

(v) {4,5,6}

---

66. Find the solution set of $2 > (\ 5x - 7\ ) > (\ -23\ )\ ,\ x \in Z$

(i) {1,0,-1,-2,-3}

(ii) {-1,-2,-3,-4,-5}

(iii) {2,1,0,-1,-2}

(iv) {3,2,1,0,-1}

(v) {0,-1,-2,-3,-4}

---

67. Find the solution set of $1 \leq (x - 4) \leq 10$, $x \in Z$

(i) {7,8,9,10,11,12,13,14,15,16}
(ii) {3,4,5,6,7,8,9,10,11,12}
(iii) {4,5,6,7,8,9,10,11,12,13}
(iv) {6,7,8,9,10,11,12,13,14,15}
(v) {5,6,7,8,9,10,11,12,13,14}

---

68. Find the solution set of $(-17) \geq (-9x + 2) \geq (-28)$, $x \in Z$

(i) {3}
(ii) {5}
(iii) {2}
(iv) {1}
(v) {4}

---

69. Find the solution set of $15 < (9x - 3) \leq 26$, $x \in Z$

(i) {2}
(ii) {1}
(iii) {5}
(iv) {3}
(v) {4}

---

70. Find the solution set of $6 > (2x + 8) \geq (-6)$, $x \in Z$

(i) {-2,-3,-4,-5,-6,-7}
(ii) {-1,-2,-3,-4,-5,-6}
(iii) {0,-1,-2,-3,-4,-5}
(iv) {-3,-4,-5,-6,-7,-8}
(v) {-4,-5,-6,-7,-8,-9}

---

71. Find the solution set of $(-5) \leq (-x + 4) < 6$, $x \in Z$

(i) {10,9,8,7,6,5,4,3,2,1,0}
(ii) {9,8,7,6,5,4,3,2,1,0,-1}

(iii) {8,7,6,5,4,3,2,1,0,-1,-2}

(iv) {7,6,5,4,3,2,1,0,-1,-2,-3}

(v) {11,10,9,8,7,6,5,4,3,2,1}

---

72. Find the solution set of $11 \geq (5x - 9) > (-14)$, $x \in Z$

(i) {3,2,1,0,-1}

(ii) {2,1,0,-1,-2}

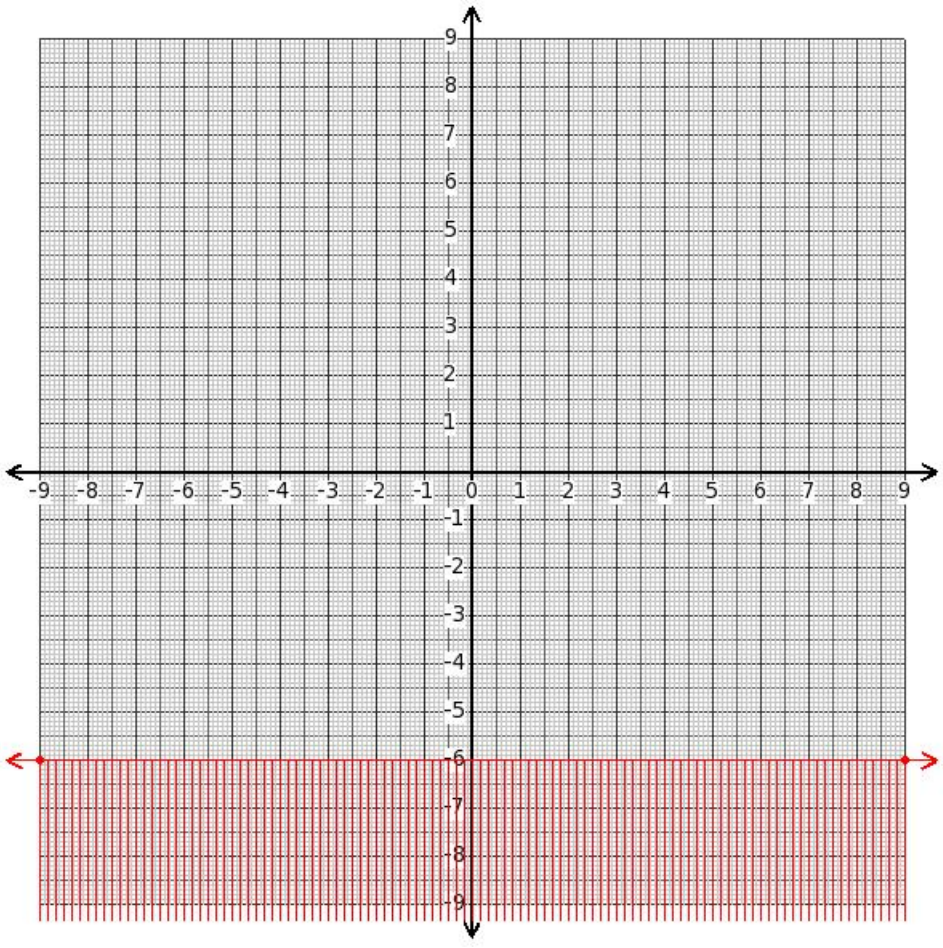
(iii) {6,5,4,3,2}

(iv) {5,4,3,2,1}

(v) {4,3,2,1,0}

---

73. Which of the following inequations represent the shaded region?



(i) $(y + 3) < 0$

(ii) $(y + 7) < 0$

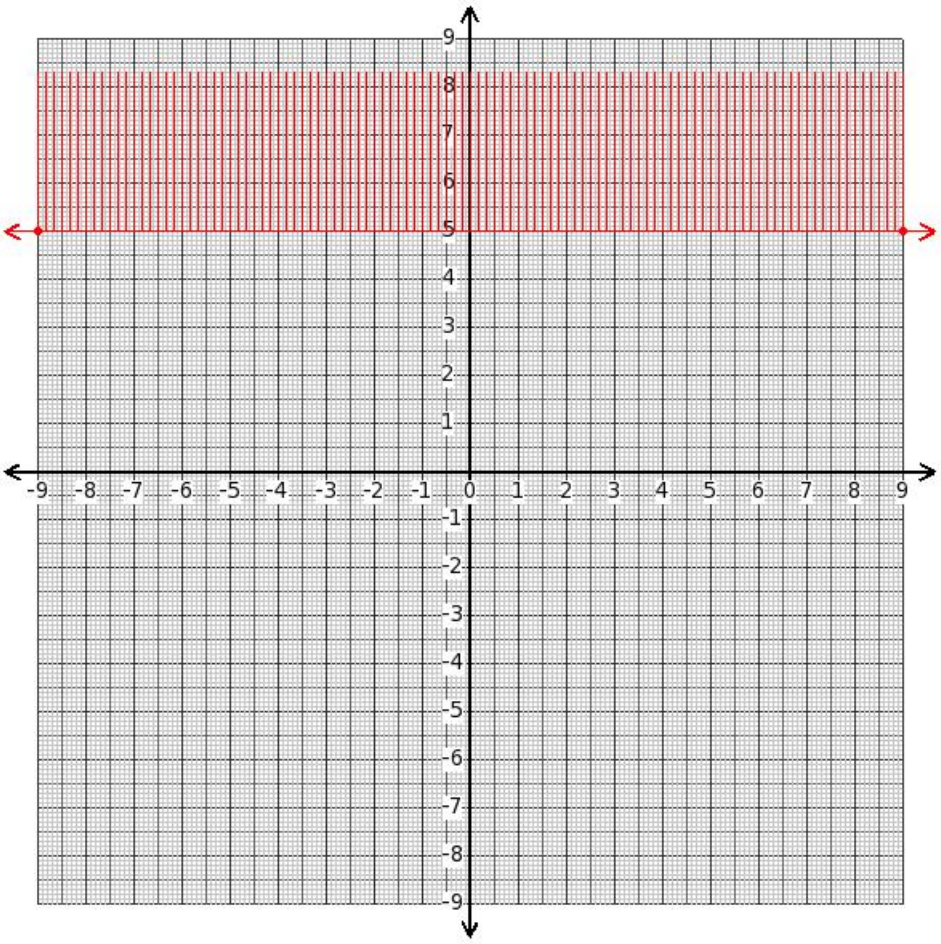
(iii) $(y - 3) < 0$

(iv) $(y + 6) < 0$

(v) $(y - 8) < 0$

---

74. Which of the following inequations represent the shaded region?



(i) $(y - 5) > 0$

(ii) $(y + 5) > 0$

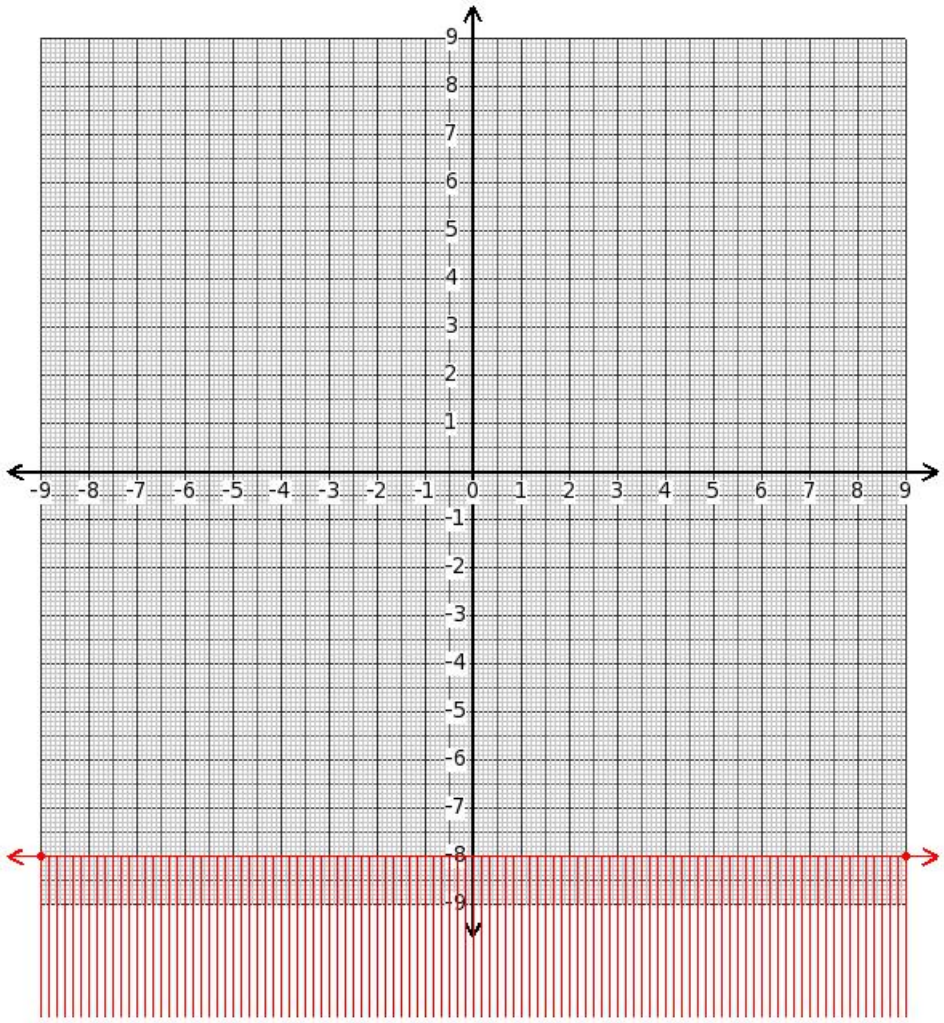
(iii) $(y + 7) > 0$

(iv) $(y - 3) > 0$

(v) $y > 0$

---

75. Which of the following inequations represent the shaded region?



(i) $(y - 1) \leq 0$

(ii) $(y + 4) \leq 0$

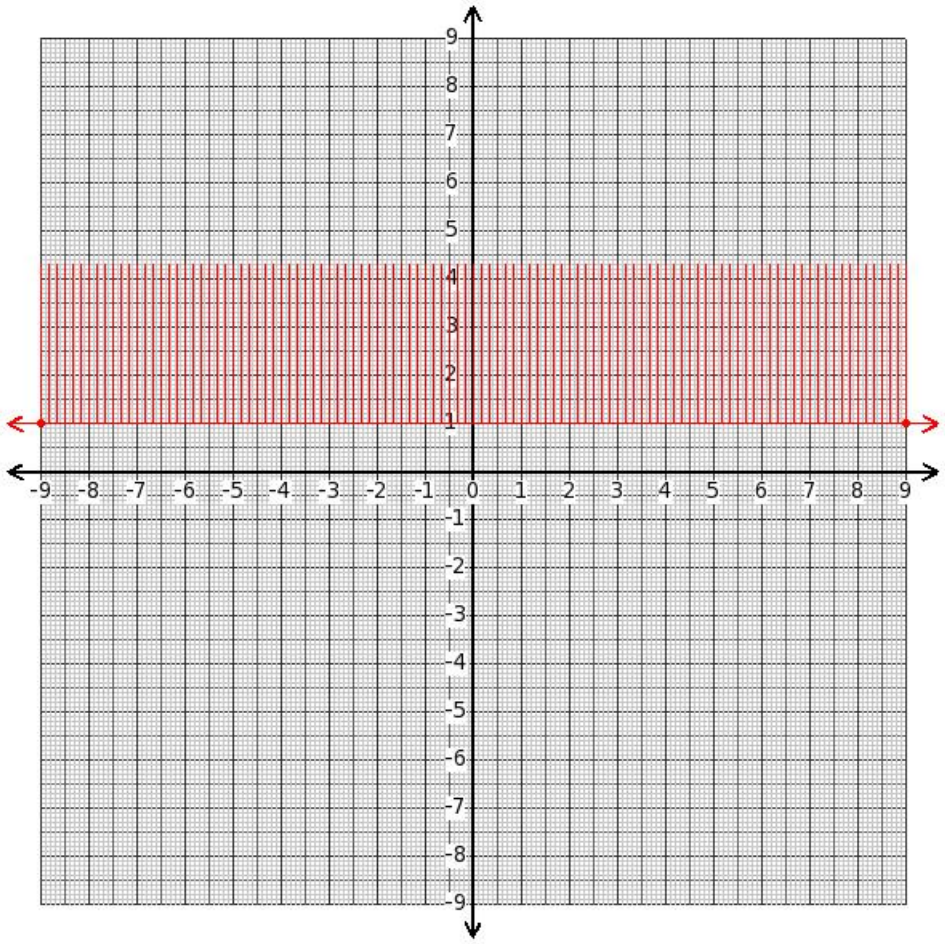
(iii) $(y - 8) \leq 0$

(iv) $(y + 8) \leq 0$

(v) $(y + 7) \leq 0$

---

76. Which of the following inequations represent the shaded region?



(i) $(y - 3) \geq 0$

(ii) $(y + 2) \geq 0$

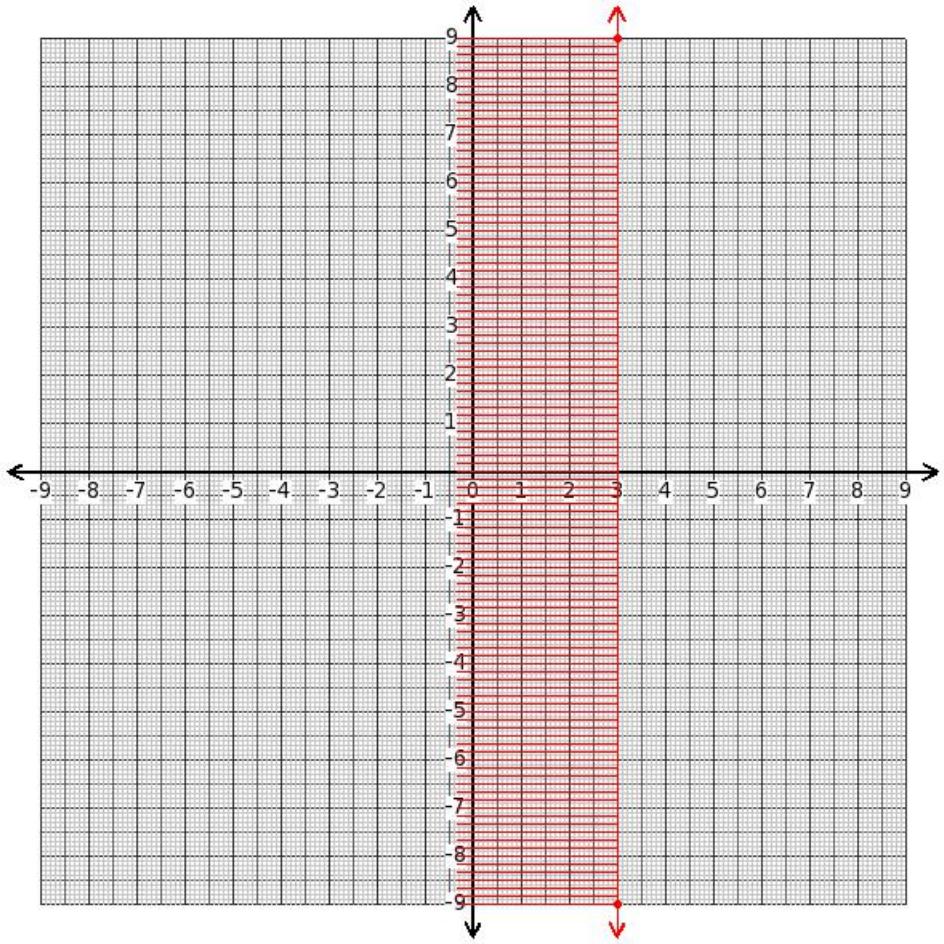
(iii) $(y - 1) \geq 0$

(iv) $y \geq 0$

(v) $(y - 4) \geq 0$

---

77. Which of the following inequations represent the shaded region?



(i) $(x - 9) < 0$

(ii) $(x + 2) < 0$

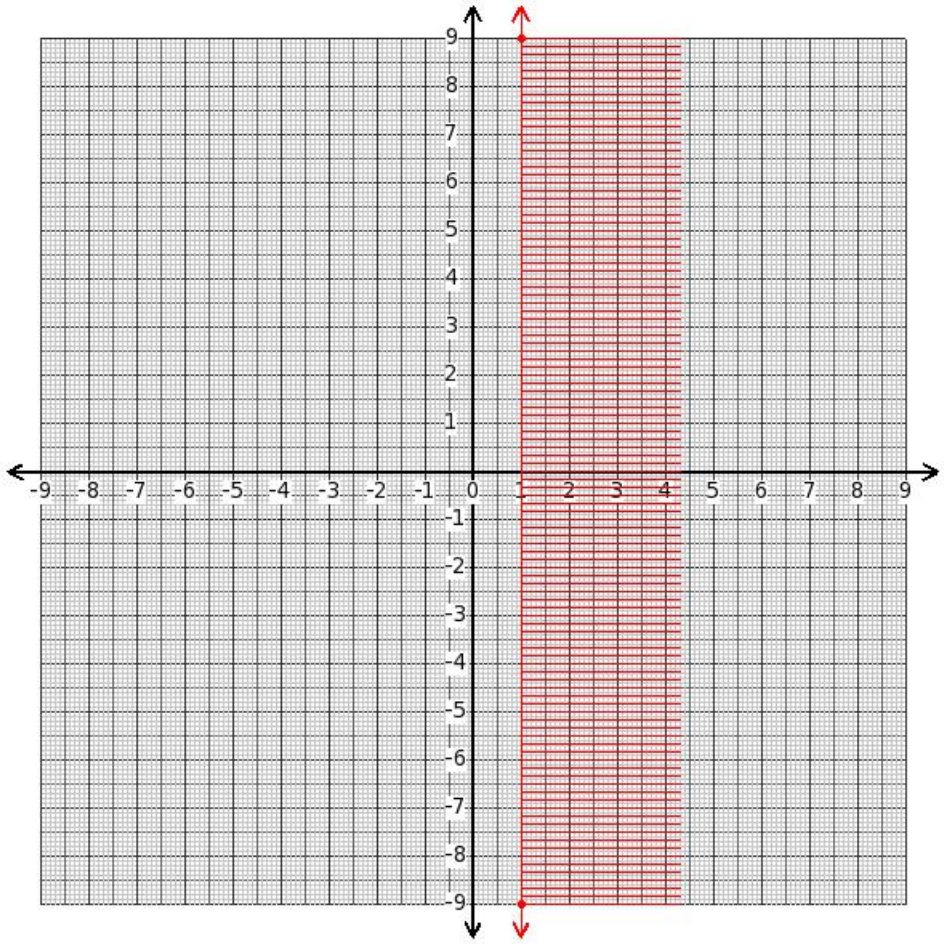
(iii) $x < 0$

(iv) $(x - 7) < 0$

(v) $(x - 3) < 0$

---

78. Which of the following inequations represent the shaded region?



(i) $x > 0$

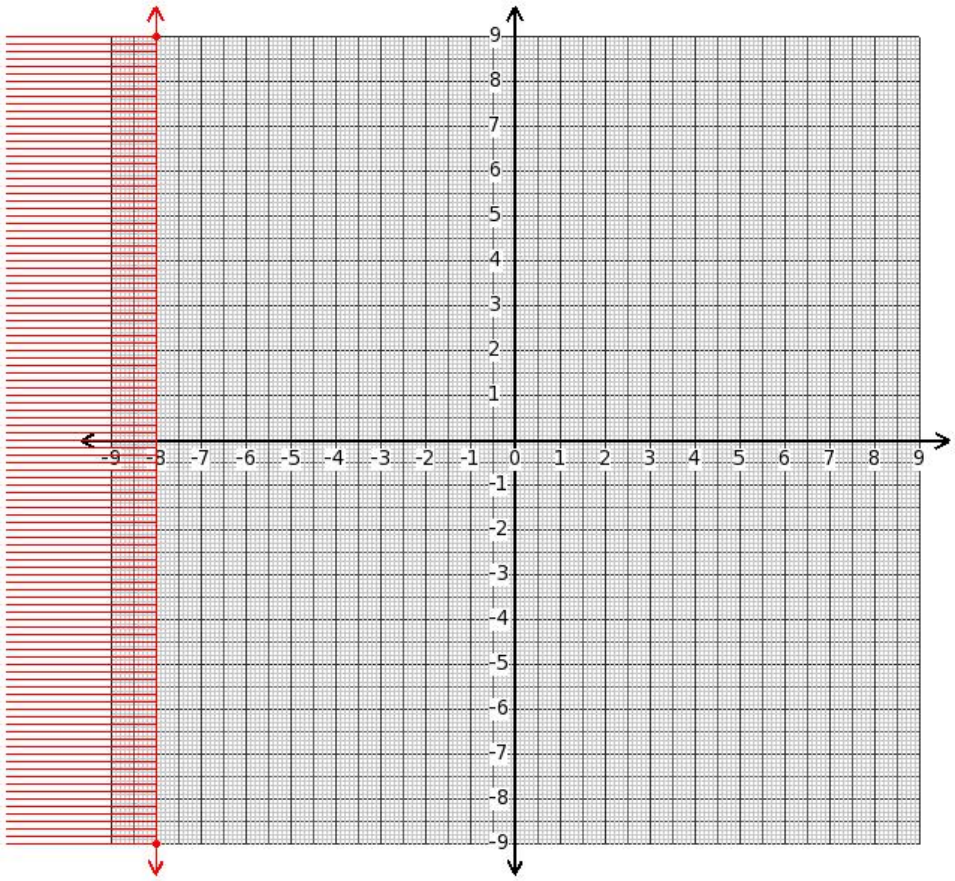
(ii) $(x + 9) > 0$

(iii) $(x - 3) > 0$

(iv) $(x - 1) > 0$

---

79. Which of the following inequations represent the shaded region?



(i) $(x - 8) \leq 0$

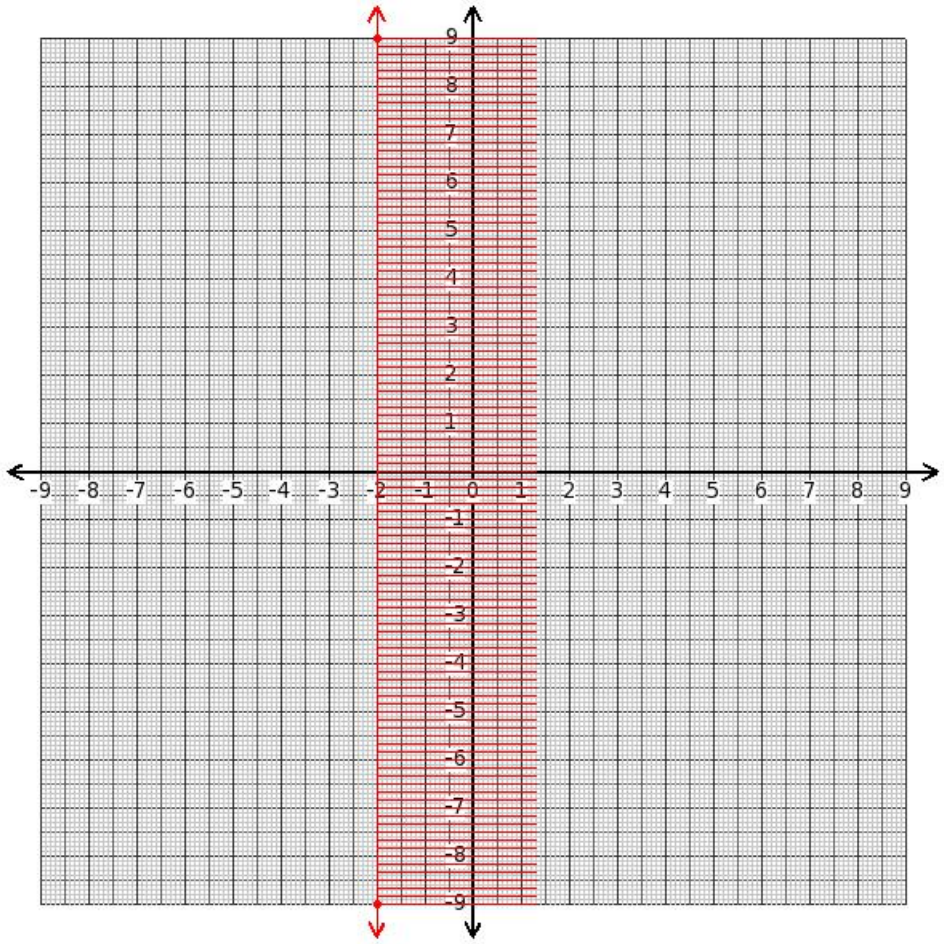
(ii) $x \leq 0$

(iii) $(x - 1) \leq 0$

(iv) $(x + 8) \leq 0$

---

80. Which of the following inequations represent the shaded region?



(i) $(x + 2) \geq 0$

(ii) $(x - 7) \geq 0$

(iii) $(x + 1) \geq 0$

(iv) $(x - 6) \geq 0$

(v) $(x - 8) \geq 0$

Assignment Key

1) (iv)
2) (i)
3) (iv)
4) (i)
5) (ii)
6) (iv)
7) (ii)
8) (iv)
9) (i)
10) (ii)
11) (iii)
12) (iii)
13) (iii)
14) (iv)
15) (i)
16) (iv)
17) (i)
18) (iii)
19) (v)
20) (iii)
21) (iii)
22) (iv)
23) (iv)
24) (iii)
25) (iii)
26) (i)
27) (v)
28) (ii)
29) (v)
30) (i)
31) (iii)
32) (iii)
33) (ii)
34) (iv)
35) (i)
36) (i)
37) (i)
38) (i)
39) (i)

40) (ii)
41) (i)
42) (iv)
43) (ii)
44) (v)
45) (i)
46) (iii)
47) (i)
48) (ii)
49) (v)
50) (iv)
51) (i)
52) (i)
53) (ii)
54) (iv)
55) (iv)
56) (ii)
57) (v)
58) (iv)
59) (iii)
60) (v)
61) (i)
62) (i)
63) (ii)
64) (iv)
65) (iv)
66) (i)
67) (v)
68) (i)
69) (iv)
70) (i)
71) (ii)
72) (v)
73) (iv)
74) (i)
75) (iv)
76) (iii)
77) (v)
78) (iv)
79) (iv)
80) (i)