

EduSahara™ Learning Center Assignment**Grade : Class IX, CBSE****Chapter : Linear Equations in two Variables****Name : Equations of Lines Parallel to the x and y axes**

1. The equation of x-axis is

- (i) $y = x$ (ii) $x = 1$ (iii) $x = 0$ (iv) $y = 1$ (v) $y = 0$
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2. The equation of y-axis is

- (i) $y = 1$ (ii) $y = 0$ (iii) $y = x$ (iv) $x = 0$ (v) $x = 1$
-

3. Any line parallel to x-axis is

- (i) an oblique line (ii) a vertical line (iii) a curved line (iv) a horizontal line
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4. Any line parallel to y-axis is

- (i) an oblique line (ii) a vertical line (iii) a curved line (iv) a horizontal line
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5. A line which is neither parallel to x-axis nor y-axis is

- (i) a vertical line (ii) an oblique line (iii) a curved line (iv) a horizontal line
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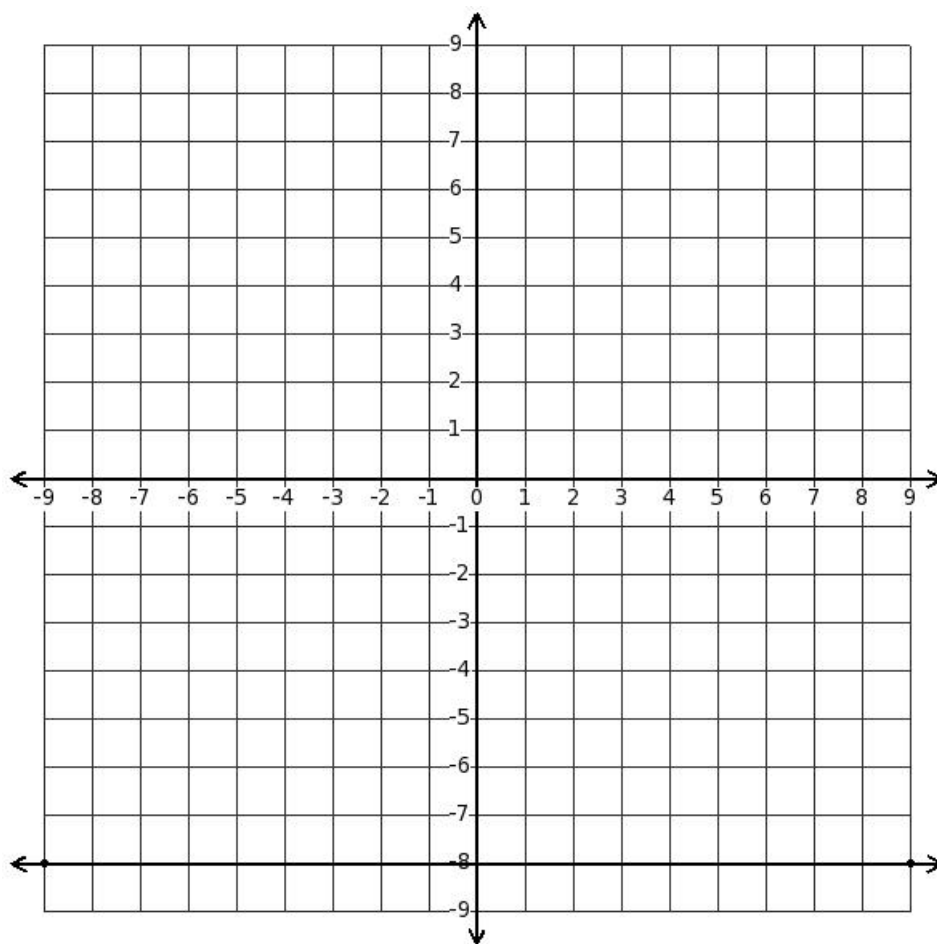
6. Equation of a straight line which is parallel to x-axis (where k is a constant) is

- (i) $x = k$
(ii) $y = 0$
(iii) $x = y$
(iv) $y = k$
(v) $x = 0$
-

7. Equation of a straight line which is parallel to y-axis (where k is a constant) is

- (i) $y = k$
(ii) $x = y$
(iii) $x = 0$
(iv) $y = 0$
(v) $x = k$
-

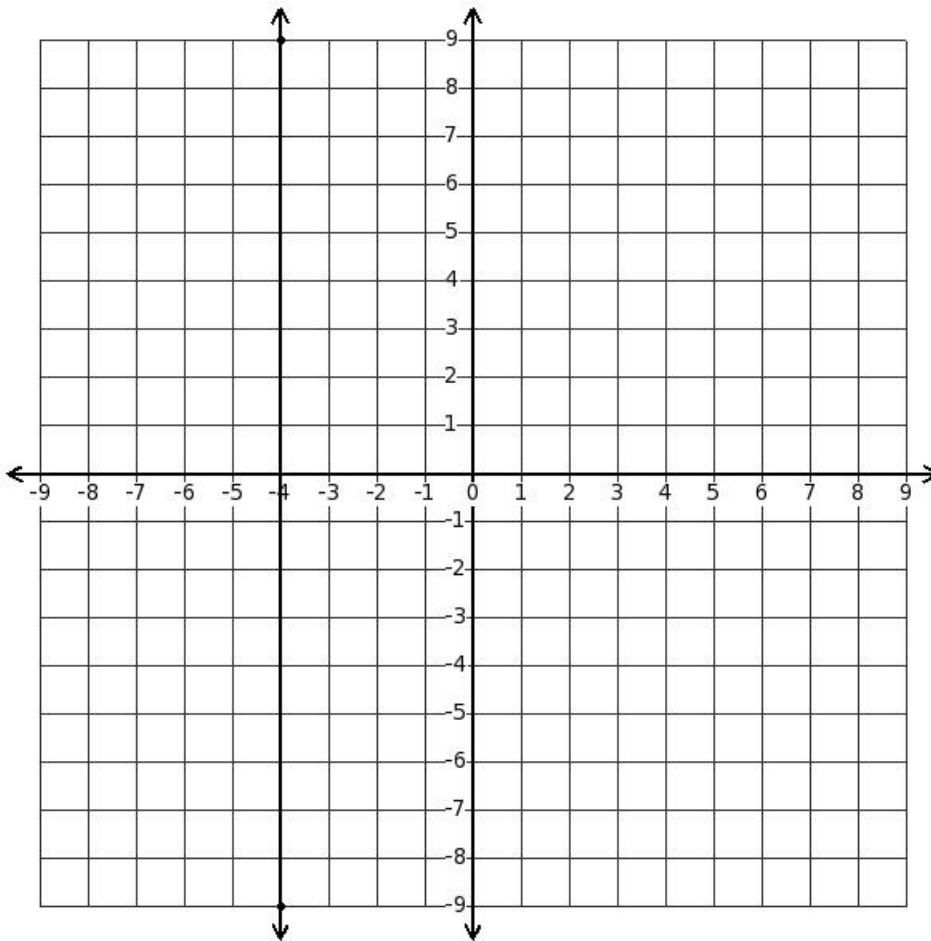
8. Find the equation of the displayed line



(i) $y = (-9)$ (ii) $y = (-8)$ (iii) $x = (-8)$

(iv) $y = (-7)$ (v) $4y = (-8)$

9. Find the equation of the displayed line



- (i) $x = (-3)$ (ii) $y = (-4)$ (iii) $4x = (-4)$
 (iv) $x = (-4)$ (v) $x = (-5)$

10. The equation of the x-axis is

- a) $x = 0$
 b) $y = 0$
 c) $x = y$
 d) $y = 1$
 e) $x = 1$

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

11. Find the equation of a straight line parallel to x-axis and passing through the point $((-9), 0)$

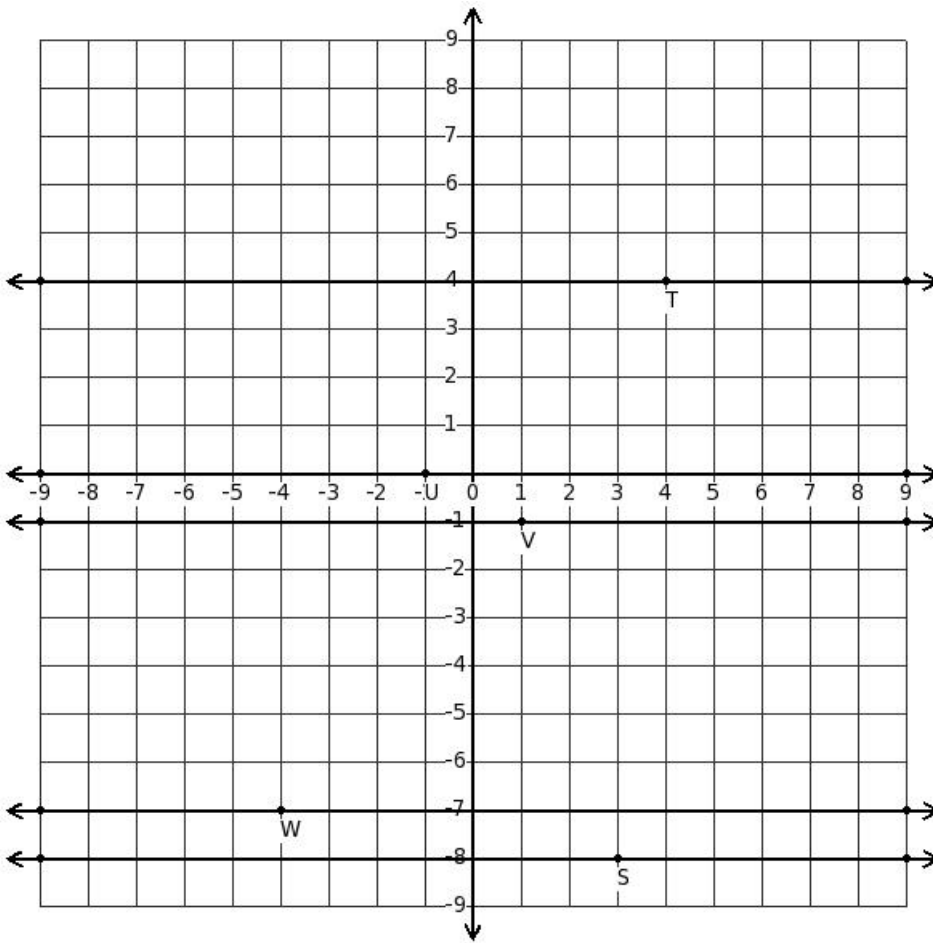
- (i) $y = 3$ (ii) $y = 0$ (iii) $x = (-9)$
 (iv) $x = (-6)$ (v) $y = (-1)$

12. Find the equation of a straight line parallel to y-axis and passing through the point $(0, (-2))$

(i) $y = 1$ (ii) $y = (-2)$ (iii) $x = (-1)$

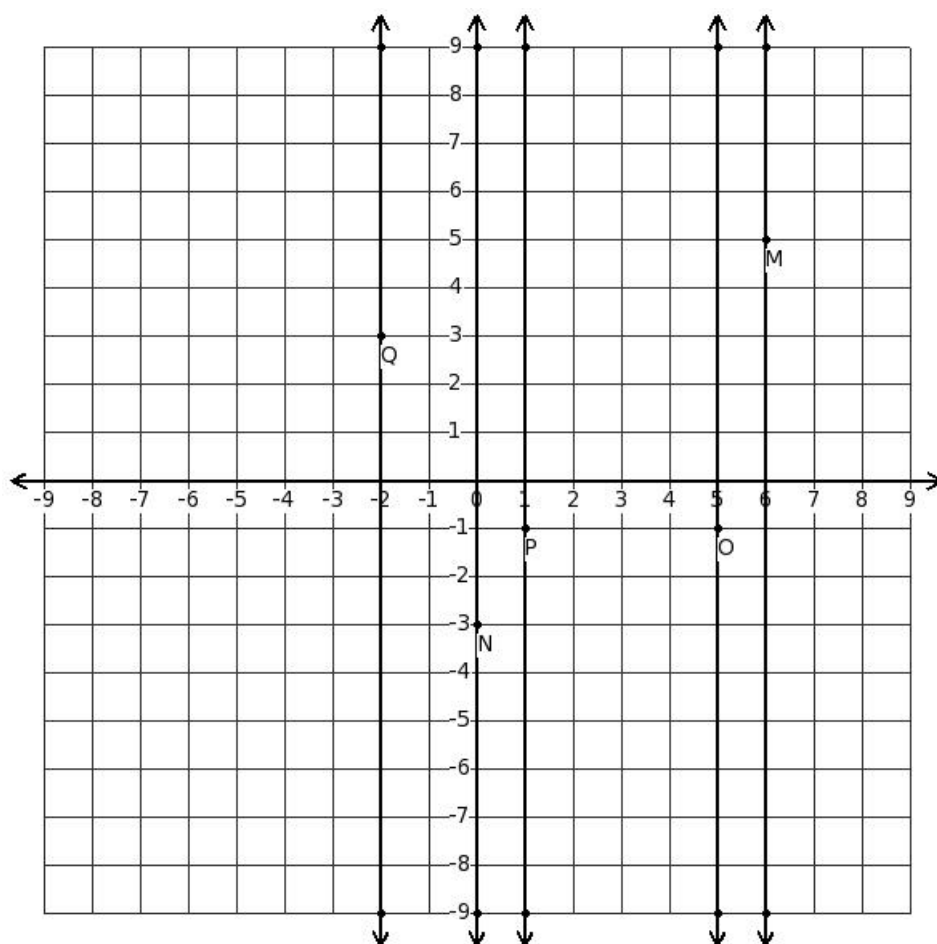
(iv) $x = 0$ (v) $x = 3$

13. Which of the displayed lines represent the equation $y = (-8)$



- (i) line with point V
- (ii) line with point T
- (iii) line with point U
- (iv) line with point S
- (v) line with point W

14. Which of the displayed lines represent the equation $x = 6$



- (i) line with point O
 - (ii) line with point M
 - (iii) line with point Q
 - (iv) line with point P
 - (v) line with point N
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Assignment Key

- 1) (v)
- 2) (iv)
- 3) (iv)
- 4) (ii)
- 5) (ii)
- 6) (iv)
- 7) (v)
- 8) (ii)
- 9) (iv)
- 10) (iii)
- 11) (ii)
- 12) (iv)
- 13) (iv)
- 14) (ii)