EduSahara™ Learning Center Assignment

Grade : Class VI, ICSE
Chapter : Fundamental Concepts of Algebra
Name : Finding Values of Algebraic Expressions
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1. The value of the polynomial $(-8t + 3)$ at $t = 2$ is

   (i) -12 (ii) -14 (iii) -11 (iv) -15 (v) -13

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2. The value of the polynomial $(-2y^2 - 9y + 9)$ at $y = (-1)$ is

   (i) 18 (ii) 15 (iii) 16 (iv) 17 (v) 14

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3. The value of the polynomial $(-v^3 - 8v + 5)$ at $v = (-4)$ is

   (i) 104 (ii) 102 (iii) 101 (iv) 99 (v) 100

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4. The value of the polynomial $(-3b^4 + 5b^3 - b^2 + 7b + 2)$ at $b = (-4)$ is

   (i) -1131 (ii) -1132 (iii) -1127 (iv) -1130 (v) -1129

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5. The value of the polynomial (-3) at
   $h = (-2)$, $i = 5$, $j = 2$ is

   (i) -3 (ii) -2 (iii) -6 (iv) -4 (v) 0

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6. The value of the polynomial $9g^2h$ at
   $g = 5$, $h = (-1)$, $i = (-5)$ is

   (i) -224 (ii) -228 (iii) -226 (iv) -222 (v) -225

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7. The value of the polynomial $(-4rs - 7s)$ at
   $r = (-5)$, $s = (-3)$, $t = (-5)$ is

   (i) -38 (ii) -42 (iii) -39 (iv) -40 (v) -37

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8. The value of the polynomial $(-2m^2 -8mno^2)$ at
$m = (-5)$, $n = 4$, $o = (-4)$ is

(i) 2513 (ii) 2510 (iii) 2511 (iv) 2507 (v) 2509

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9. The value of the polynomial $(7mno -m +8n)$ at
$m = (-4)$, $n = 4$, $o = 2$ is

(i) -188 (ii) -189 (iii) -186 (iv) -190 (v) -187

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10. The value of the polynomial $(-6u^2v^2w -9uv^2 -4uw^2)$ at
$u = 4$, $v = 0$, $w = (-4)$ is

(i) -257 (ii) -258 (iii) -255 (iv) -256 (v) -253

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11. The value of the polynomial $(-2ghi -5h +9i)$ at
$g = 5$, $h = (-1)$, $i = 5$ is

(i) 100 (ii) 99 (iii) 102 (iv) 101 (v) 98

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12. The value of the polynomial $(-9m^2no^2 -6mn^2o^2 +8n^2o)$ at
$m = (-4)$, $n = 2$, $o = (-3)$ is

(i) -1825 (ii) -1826 (iii) -1824 (iv) -1822 (v) -1823

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13. The value of the polynomial (-1) at
$a = (-1)$, $b = 2$, $c = (-3)$ is

(i) 2 (ii) -1 (iii) -2 (iv) 0 (v) -3

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14. The value of the polynomial 0 at
$l = (-4)$, $m = 3$, $n = (-3)$ is

(i) -2 (ii) -1 (iii) 0 (iv) 3 (v) 1

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15. Given $f(g) = (-8g -7)$, find $f(3)$

(i) -29 (ii) -32 (iii) -34 (iv) -31 (v) -30

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16. Given $f(j) = (-8j^2 + j - 6)$, find $f(3)$

(i) -74 (ii) -76 (iii) -72 (iv) -77 (v) -75

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17. Given $f(u) = (9u^3 - 4u^2 - 5)$, find $f(2)$

(i) 49 (ii) 50 (iii) 51 (iv) 52 (v) 54

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18. Given $f(k) = (-3k^4 + 4k^3 - 7k^2 - 5k - 9)$, find $f((-4))$

(i) -1124 (ii) -1122 (iii) -1127 (iv) -1126 (v) -1125

Assignment Key

1) (v)
2) (iii)
3) (iii)
4) (iv)
5) (i)
6) (v)
7) (iii)
8) (ii)
9) (i)
10) (iv)
11) (i)
12) (iii)
13) (ii)
14) (iii)
15) (iv)
16) (v)
17) (iii)
18) (v)