

Evaluating Algebraic Expressions Using Integer Values

Evaluate each using the values given.

1) $x - 5 - z$; use $x = -6$, and $z = 3$

2) $xz - z$; use $x = -2$, and $z = -5$

3) $xz - z$; use $x = -6$, and $z = -5$

4) $m(p + q)$; use $m = 2$, $p = -4$, and $q = -4$

5) p^2n ; use $n = 5$, and $p = 2$

6) $x + y + z$; use $x = 4$, $y = 4$, and $z = 6$

7) $k(h - j) + h$; use $h = 5$, $j = -4$, and $k = 5$

8) $z + y - (-4 + y)$; use $y = 1$, and $z = 4$

9) $y \div 3 + z + x$; use $x = -4$, $y = 3$, and $z = 4$

10) $(-3)^2 + y + z$; use $y = -5$, and $z = -5$

11) $q\left(1 + \left|\frac{r}{3}\right|\right)$; use $q = 2$, and $r = -3$

12) $6x + |z - y|$; use $x = 2$, $y = 2$, and $z = -3$

13) $(5 - z)(x + 3) - x$; use $x = 6$, and $z = 3$

14) $5h - \left(\frac{h}{5} - k\right)$; use $h = 5$, and $k = 1$

15) $y\left(\left(\frac{x}{4}\right)^3 + y\right)$; use $x = 4$, and $y = 4$

16) $r + q - q + p^2$; use $p = 5$, $q = 4$, and $r = 4$

17) $\frac{x}{5} + 6 - 1 + y^3$; use $x = 5$, and $y = 1$

18) $x^2\left(y + \frac{x}{5} + 4\right)$; use $x = -5$, and $y = -5$

19) $y^3 + yz + z + y$; use $y = -2$, and $z = 6$

20) $x - \left(x^2 + x - \frac{y}{4}\right)$; use $x = -6$, and $y = 4$

Answers to Evaluating Algebraic Expressions Using Integer Values

1) -14

5) 20

9) 1

13) 12

17) 7

2) 15

6) 14

10) -1

14) 25

18) -50

3) 35

7) 50

11) 4

15) 20

19) -16

4) -16

8) 8

12) 17

16) 29

20) -35