

Unit 1 Lesson 2 Order of Operations

Practice Level 2

Write each problem in your math notebook and show all work.

Evaluate each expression.

1) $2 - \frac{20}{-4} \cdot 3$

2) $-\frac{24}{|9 - 3|}$

3) $\frac{-7 \cdot 2 + 6}{5 - 1}$

4) $(4 - 6)(7 - 13)^2$

5) $2 - (|6 - -9| - (-6 + 1))$

6) $\frac{27 \cdot 2}{-10 + (7 - 9)^2}$

Evaluate each using the values given.

7) $yx(x + y)$; use $x = -1$, and $y = -3$

8) $m(5 + p) + 3$; use $m = -5$, and $p = -1$

9) $z^2 + z^3 + y$; use $y = 2$, and $z = -2$

10) $(q + m + 9)(p + q)$; use $m = -8$, $p = -4$, and $q = 9$

11) $y^3 + z - (x^2 + x)$; use $x = -3$, $y = -2$, and $z = -1$

12) $\frac{-9x - z}{2} - (x + z)$; use $x = 8$, and $z = 10$

Evaluate each expression.

13) $\frac{3 + |8 - 10|}{2}$

14) $5(2) + 16 \div |-4|$

15) $\sqrt{5^2 - 4^2}$

16) $-44 \div \sqrt{12 \div 3}$

Solutions:

1) 17

5) -18

9) -2

13) $\frac{5}{2}$

2) -4

6) -9

10) 50

14) 14

3) -2

7) -12

11) -15

15) 3

4) -72

8) -17

12) -59

16) -22