

Unit 1 Hw #2 Sect. 1.2

Use the Distributive Property to simplify each expression. SHOW YOUR WORK!

1) $-3(1 + 9x)$

2) $(-x + 9) \cdot -4$

3) $-(x - 2)$

4) $(x + 8) \cdot 9$

5) $9(14 - 8m)$

6) $(14v + 14) \cdot -5$

Evaluate each using the values given.

7) $y + z^2$; use $y = -5$, and $z = 5$

8) $(-6)(p + q)$; use $p = 5$, and $q = -6$

9) $(y - z) \div 3$; use $y = -5$, and $z = 4$

10) $x + 5z$; use $x = 4$, and $z = -3$

11) $h - (k + j)$; use $h = -1$, $j = -5$, and $k = -2$

12) $\frac{qp}{4}$; use $p = -2$, and $q = 2$

13) $x(z + z^2)$; use $x = -2$, and $z = 3$

14) $q + 2 - (p + q)$; use $p = -6$, and $q = -4$

15) $m - n^2p$; use $m = 1$, $n = -5$, and $p = 2$

16) $(-2)(4 - z) + x$; use $x = 2$, and $z = -6$

17) $(-9) + z + \frac{x^3}{4}$; use $x = 8$, and $z = -11$

18) $r(p + r + (-4)^2)$; use $p = -15$, and $r = -9$