

Assignment

Please evaluate each expression. These problems are ranked ES (Exceeds Standards).

1) $\frac{x - |8 - y|}{4}$; use $x = -2$, and $y = 10$

2) $x - \left(x + \left| \frac{y}{2} \right| \right)$; use $x = 10$, and $y = -10$

3) $y + y + y|x|$; use $x = 7$, and $y = 7$

4) $-1 + \frac{x - xy}{3}$; use $x = 5$, and $y = -2$

5) $q(p + |p| - r)$; use $p = 4$, $q = 3$, and $r = 4$

6) $p^2 - q \times \frac{q}{6}$; use $p = -1$, and $q = -6$

7) $10 + p + p - p + q$; use $p = 4$, and $q = -6$

8) $\frac{x + x}{2}(y + y)$; use $x = 5$, and $y = 7$

Simplify each expression. These problems are also ranked ES and focus on the distributive property.

9) $5(5 + 2n) - 5n(2 - 7n)$

10) $-7(5r + 5) + 7(2r - 7)$

11) $-8(6 - 4b) - 4(b + 1)$

12) $4(6 - 5x) + 2x(-6 - 4x)$

13) $3r(8r - 4) - 6r(1 + 2r)$

14) $4(1 - 3n) + 7n(n - 2)$

15) $-(3 + 4k) - 7(k - 8)$

16) $7k(k + 3) - 2(k + 2)$