

Assignment-Day 4: Evaluating an Expression

Date _____ Period _____

Evaluate each using the values given. You must rewrite the equation after substituting in the value for the letter. Each problem must show at least two steps. NO CALCULATORS!

1) $m(m + n)$; use $m = 2$, and $n = 2$

2) $a(b + b)$; use $a = 3$, and $b = 3$

3) $p + 3m$; use $m = 2$, and $p = 4$

4) $j(k + k)$; use $j = 3$, and $k = 1$

5) $(2 + q + p) \div 2$; use $p = 5$, and $q = 3$

6) $x + 6 - zx$; use $x = 2$, and $z = 3$

7) $r - 2q + 6$; use $q = 2$, and $r = 6$

8) $q^2 - (p - m)$; use $m = 1$, $p = 1$, and $q = 5$

9) $z^3 - y - x$; use $x = -5$, $y = -6$, and $z = 3$

10) $p \times n \div 3 + n$; use $n = -3$, and $p = 5$

11) $\frac{xz + 3}{3}$; use $x = -2$, and $z = -6$

12) $\frac{y + z}{z}$; use $y = \frac{1}{2}$, and $z = -\frac{7}{4}$

13) Kim runs a food truck. The expression $25s + 2h$ gives the cost of s sandwiches and h hot dogs. Find the cost of 3 sandwiches and 7 hot chocolates.

14) In a School sports day, the number of points the 10th grade team scores is given by $3x + 2y + 1z$, x is the red team; y is yellow team, and z is the blue team. What is the total number of points scored by 10th graders when red scores 3 three points, yellow 5 points, and blue 2 points?

15) The expression $7w + 200$ litres indicates the water level which drops in a particular reservoir in a day. Calculate the water level if today is the 5th day.