

Evaluating Expressions

Evaluate each expression. Show all steps. Follow order of operations.

1) $3x + 5$ for $x = 9$

2) $2(g + 5)$ for $g = 12$

3) $\frac{2}{3}x - 1$ for $x = 9$

4) $\frac{m}{4} - 2$ for $m = 13$

5) $3(n - 4) + 5$ for $n = 14$

6) $x^2 + 10$ for $x = 3$

7) $3x^3 - 5$ for $x = 2$

8) $5(x - 3)^2$ for $x = 9$

5) $\frac{1}{2}(p - 4) - 6$ for $p = 20$

6) $(x^3 + 10) - 7$ for $x = 3$

7) $(b - 5) + (b + 6)$ for $b = 10$

8) $5(y - 3)^2 - y$ for $y = 5$

Evaluate each expression. Show all steps. Follow order of operations.

1) $6x + 5y$ for $x = 2$ and $y = 4$

2) $2(g + 5) - h$ for $g = 8$ and $h = 10$

3) $3x - 5y$ for $x = 11$ and $y = 3$

4) $\left(\frac{m}{4} - 5\right) + 3n$ for $m = 24$ and $n = 8$

5) $5a + 3b + 2c$ for $a = 5, b = 2, c = 8$

6) $(f^2 + 2g) - 3h$ for $f = 5, g = 4, h = 3$

7) $(x + 4) + (y - 2) + (z + 5)$ for $x = 2, y = 5, z = 6$

8) $5\left(x + \frac{1}{2}\right)^2$ for $x = \frac{2}{3}$