

Reteaching 1-3 Evaluating Expressions

Evaluate $a(b + 4) - c$, for $a = 2$, $b = 5$, and $c = 12$.

$$\begin{aligned} a(b + 4) - c & \\ &= 2(5 + 4) - 12 \\ &= 2(9) - 12 \\ &= 18 - 12 \\ &= 6 \end{aligned}$$

Replace the variables.

Work within grouping symbols.

Multiply.

Subtract.

Evaluate each expression.

1. $2n - 7$, for $n = 8$

2. $4ab$, for $a = 2$ and $b = 5$

3. $\frac{x + y}{3}$, for $x = 7$ and $y = 8$

4. $2(m + n)$, for $m = 3$ and $n = 2$

5. $37 - 5h$, for $h = 7$

6. $\frac{6}{a} + b$, for $a = 3$ and $b = 7$

7. $4x + 5y - 3z$, for $x = 3$, $y = 4$, and $z = 2$ _____

8. $15a - 2(b + c)$, for $a = 2$, $b = 3$, and $c = 4$ _____

9. $7p + q(3 + r)$, for $p = 3$, $q = 2$, and $r = 1$ _____

10. $\frac{36}{j} - 4(k + l)$, for $j = 2$, $k = 1$, and $l = 3$ _____

11. $x + 3y - 4(z - 3)$, for $x = 4$, $y = 6$, and $z = 5$ _____

12. $(4 + d) - e(9 - f)$, for $d = 7$, $e = 4$, $f = 8$ _____

13. $3a - 2b + b(6 - 2)$, for $a = 4$, $b = 2$ _____

14. $r(p + 3) + q(p - 1)$, for $p = 7$, $q = 4$, $r = 3$ _____