

## Chapter 2 Review

Evaluate when  $x = -7$  and  $y = 11$ .

$$\begin{aligned}
 1) \quad & 4x + 7 - 2y \\
 & 4 \cdot (-7) + 7 - 2 \cdot 11 \\
 & -28 + 7 - 22 \\
 & (-21) - 22 = -43
 \end{aligned}$$

Use the distributive property.

$$\begin{aligned}
 2) \quad & -3(x - 7) \\
 & -3x + 21
 \end{aligned}$$

$$\begin{aligned}
 3) \quad & 4(-10x - 6) \\
 & -40x - 24
 \end{aligned}$$

Simplify the expression.

$$\begin{aligned}
 4) \quad & -12x + 17y + 2(y + 4) \\
 & -12x + 17y + 2y + 8 \\
 & -12x + 19y + 8
 \end{aligned}$$

$$\begin{aligned}
 5) \quad & -3(2r - 6) + 11c - 18r \\
 & -6r + 18 + 11c - 18r \\
 & (-6r) - 18r \\
 & + \\
 & -24r + 18 + 11c \\
 & \boxed{11c - 24r + 18}
 \end{aligned}$$