

# Warm-up

Evaluate

$$\textcircled{1} \frac{45 - 3(9)}{4}$$

$$\textcircled{2} \frac{x+y}{x-2y}, x=3 \text{ ; } y=5$$

# 1.4 Rewrite Formulas

$$d = rt, \quad C = 2\pi r, \dots \dots$$

Inverse Operations (undo each other)

$$+ \quad \overset{-}{-}$$

$$\div \quad \overset{\cdot}{\cdot}$$

Solve

$$2x - 3 = 7$$

+3   +3

$$\frac{2x}{2} = \frac{7+3}{2}$$

$$x = \frac{7+3}{2}$$

Solve for  $\Delta$

$$\square \Delta \overset{+0}{\cancel{+0}} = \square \overset{+0}{\cancel{+0}}$$

$$\frac{\square \cdot \Delta}{\square} = \frac{\square + 0}{\square}$$

$$\Delta = \frac{\square + 0}{\square}$$

# Think of the process

Solve for t

$$d = rt$$

$$\frac{d}{r} = t$$

Solve for r

$$C = 2\pi r$$

$$\frac{C}{2\pi} = r$$

Solve for w

$$P = 2l + 2w$$

$$\frac{P - 2l}{2} = w$$