

Use formulas
to solve
problems.

Worksheet: 4.6

Formulas

$$4x + 3y = 2$$

$$-3y \quad -3y$$

$$4x = 2 - 3y$$

$$\div 4 \quad \div 4$$

$$x = \frac{2 - 3y}{4}$$

$$x = \frac{2}{4} - \frac{3y}{4}$$

$$x = \frac{1}{2} - \frac{3}{4}y$$

$$2. \quad x - 4d = 6$$

$$\quad +4d \quad +4d$$

$$x = 6 + 4d$$

3. $\frac{1}{2}x + m = n + p - q$

$$-m \quad -m$$

$$\frac{1}{2}x = n + p - q - m$$

$$\times 2 \quad \times 2$$

$$x = 2n + 2p - 2q - 2m$$

$$4. \quad 3a + 2x = 6b$$

$$\begin{array}{r} -3a \qquad \qquad -3a \end{array}$$

$$2x = 6b - 3a$$

$$\begin{array}{r} \div 2 \qquad \qquad \div 2 \end{array}$$

$$x = \frac{6b}{2} - \frac{3a}{2}$$

$$x = 3b - 1.5a$$