

Literal Equations

Solve each literal equation for the indicated variable.

$$1) \frac{A}{h} = \frac{bh}{h}, \text{ for } b$$

$$\frac{A}{h} = b \text{ or } b = \frac{A}{h}$$

$$2) \begin{array}{r} -5A + 6B = 13, \text{ for } B \\ +5A \qquad +5A \end{array}$$

$$\frac{6B}{6} = \frac{5A+13}{6}$$

$$B = \frac{5A+13}{6}$$

$$3) \begin{array}{r} 3x + 5y = 2z - 3, \text{ for } y \\ -3x \qquad -3x \end{array}$$

$$\frac{5y}{5} = \frac{-3x+2z-3}{5}$$

$$y = \frac{-3x+2z-3}{5}$$