

Review: Formulas & Functions

Solve each formula for the indicated value.

1) $A = \frac{1}{2}bh$ for h

2) $3x + y = 6$ for y

3) $2x + 3y = 6$ for x

4) $1 = 2x + 3y + 2c$ for c

The perimeter of a rectangle is given by the formula: $P = 2w + 2L$, where w is the width & L is the length of the rectangle.

5) Find a formula for L in terms of P & w .

6) Use the new formula to find the length of a rectangle that has a perimeter of 200 ft & a width of 20 ft.

Answers:

1) $h = \frac{2A}{b}$

2) $y = -3x + 6$

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

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

5) $L = \frac{P - 2w}{2}$ OR $L = \frac{P}{2} - w$

6) $L = 80 \text{ ft}$