

1.4

REWRITING EQUATIONS AND FORMULAS

DO NOW

Solve the equation. Check your solution.

1) $5h - 7 = 2(h + 1)$

DO NOW

Solve the equation. Check your solution.

$$2) \quad 2 - 15n = 5(-3n + 2)$$

DO NOW

Solve the equation. Check your solution.

$$3) \quad 6(2y + 1) = 12y + 6$$

Something you should know...

What's a Formula?

An equation made up mostly of variables

$$*A = lw*$$

$$*A = \pi r^2*$$

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

Example 1

Solve the formula for m . (Get the variable by itself)

$$***F = ma***$$

Example 2

Solve the formula for x . (Get the variable by itself)

$$***y = mx + b***$$

Example 3

Solve the formula for b . (Get the variable by itself)

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

Groupwork

Solve the formula for y . (Get the variable by itself)

1) $y - 5x = 10$

2) $15 = 6x + 3y$

Groupwork

Solve for h

3) $A = bh$

Solve for L

4) $S = V - L$

Groupwork

Solve for W

$$5) \quad P = 2W + 2L$$

Solve for R

$$6) \quad C = \frac{1}{4}(R + 12)$$