

- Check homework

2, x, Δ, ∫, ∇, ∆  
are all the same  
Symbols →

# 1.4 Rewrite Formulas

$d = rt$ ,  $C = 2\pi r$ ,  $A = \frac{1}{2}bh$  /  $A = \frac{bh}{2}$

Inverse operations undo each other

$+ \int -$

$\times \int \div$

Solve x

$2x - 3 = 7$

173 173

$2x = 7 + 3$

$\div$

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

Solve Δ

$\square \Delta - \odot = \square$

add circle

$\square \Delta = \square + \odot$

divide by  $\square$

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

Think of the process!

Solve for t

$d = rt$

Solve for r

$C = 2\pi r$

Solve for w

$P = 2l + 2w$

(divide by r)

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

(divide by  $2\pi$ )

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

(subtract  $2l$ )

$P - 2l = 2w$   
 $\div 2$

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

Solve  $9x - 4y = 7$  for y. Then find y when  $x = -5$

$9x - 4y = 7$

$-9x \quad -9x$

$\frac{-4y}{-4} = \frac{7-9x}{-4}$

$y = \frac{7-9x}{-4}$

$y = \frac{7-9(-5)}{-4}$

$= \frac{7+45}{-4} = \frac{52}{-4} = -13$

p30: 3, 7, 9, 11, 15