

# Algebra 200310201443 Name Key

Solve for X

$$y = mx + b$$

$$y - b = mx$$

$$\frac{y - b}{m} = X$$

$$X = \frac{y - b}{m}$$

Solve for b

$$y = mx + b$$

$$y - mx = b$$

$$b = y - mx$$

Solve for m

$$y = mx + b$$

$$y - b = mx$$

$$\frac{y - b}{x} = m$$

$$m = \frac{y - b}{x}$$

Solve for y

$$3y = 2x + 7$$

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

Solve for X

$$3y = 2x + 7$$

$$3y - 7 = 2x$$

$$\frac{3}{2}y - \frac{7}{2} = X$$

$$X = \frac{3}{2}y - \frac{7}{2}$$

Solve for w

$$P = 2(l + w)$$

$$P = 2l + 2w$$

$$P - 2l = 2w$$

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

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

Solve for y

$$3x^2 + 4x = 10y$$

$$10y = 3x^2 + 4x$$

$$y = \frac{3}{10}x^2 + \frac{4}{10}x$$

$$y = .3x^2 + .4x$$

Solve for y

$$\frac{5}{9}x + 4y = 7$$

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

$$y = \frac{7}{4} - \frac{5}{36}x$$

Solve for X

$$\frac{5}{9}x + 4y = 7$$

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

$$x = \frac{63}{5} - \frac{36}{5}y$$

$$x = 12.6 - 7.2y$$

Solve for T

$$D = RT$$

$$\frac{D}{R} = T$$

or

$$T = \frac{D}{R}$$

Solve for R

$$D = RT$$

$$\frac{D}{T} = R$$

or

$$R = \frac{D}{T}$$

Solve for k

$$\frac{1}{2}k + x = 19$$

$$\frac{1}{2}k = 19 - x$$

$$k = 38 - 2x$$