Howdy!!!!

Coach Watson

Algebra

What you need:

Pencil

Calculator

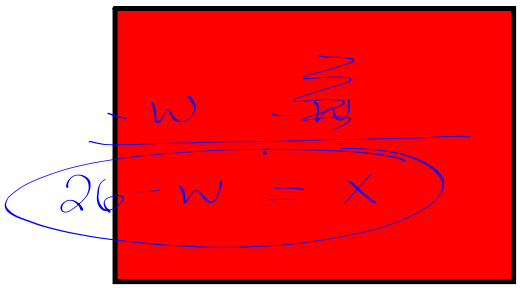
Go over Quiz

1-Step Equations:

$$26 = 8 + x$$

$$-8 \quad -8$$

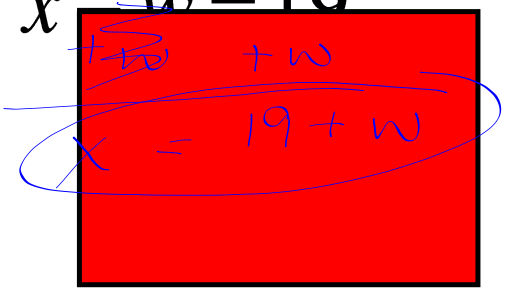
$$18 = x$$



$$x - 12 = 19$$

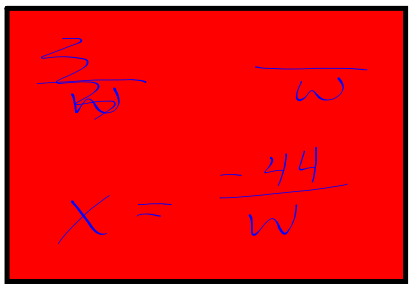
$$+12 \quad +12$$

$$x = 31$$



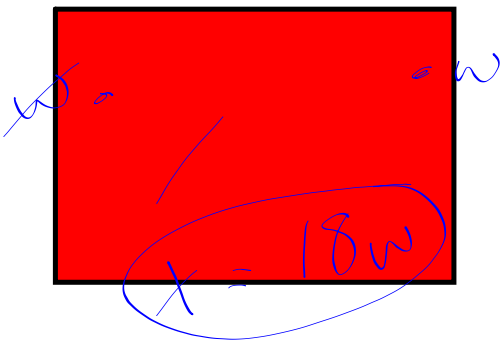
$$\frac{11x}{11} = \frac{-44}{11}$$

$$x = -4$$



$$2 \cdot \frac{x}{2} = 18 \cdot 2$$

$$x = 36$$



2-Step Equations:

$8x + 7 = 31$

$-7 \quad -7$

$\frac{8x}{8} = \frac{24}{8}$

$x = 3$

$-7 \quad -7$

$\frac{wx}{w} = \frac{24}{w}$

$x = \frac{24}{w}$

$68 = 12x + 8$

$-8 \quad -8$

$\frac{60}{12} = \frac{12x}{12}$

$5 = x$

$-w \quad -w$

$\frac{68-w}{12} = \frac{12x}{12}$

$\frac{68-w}{12} = x$

$-9x + 1 = -80$

$-1 \quad -1$

$\frac{-9x}{-9} = \frac{-81}{-9}$

$x = 9$

$-1 \quad -1$

$\frac{-wx}{-w} = \frac{-81}{-w}$

$x = \frac{81}{w}$

$\frac{x}{9} - 1 = -2$

$+1 \quad +1$

$9 \cdot \frac{x}{9} = -1 \cdot 9$

$x = -9$

$+y \quad +y$

$w \cdot \frac{x}{w} = -2 + y \cdot w$

$x = -2w + yw$

$6 = \frac{x}{4} + 2$

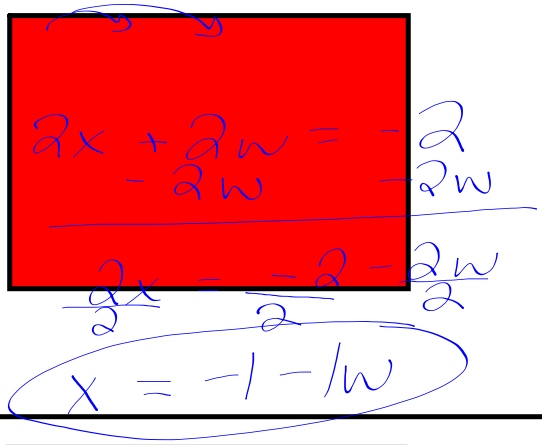
$w \cdot 2 \quad y \quad w \cdot w$

$2w - yw = x$

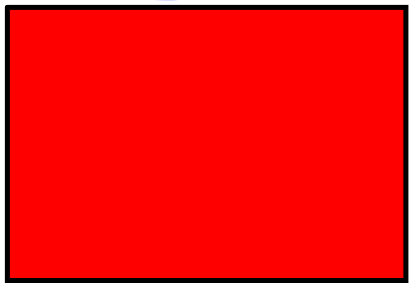
Multi-Step Equations:

$$2(x+5)=-2$$

$2x + 10 = -2$



$$10(x-9)=-10$$



Some Common Formulas to Solve

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

$tr = d$

$F = m \cdot a$ solve for m

$\frac{F}{a} = m$

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

$\frac{2A}{b} = \frac{bh}{b}$

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

$P = 2l + 2w$ solve for w

$P = 2L + 2W$

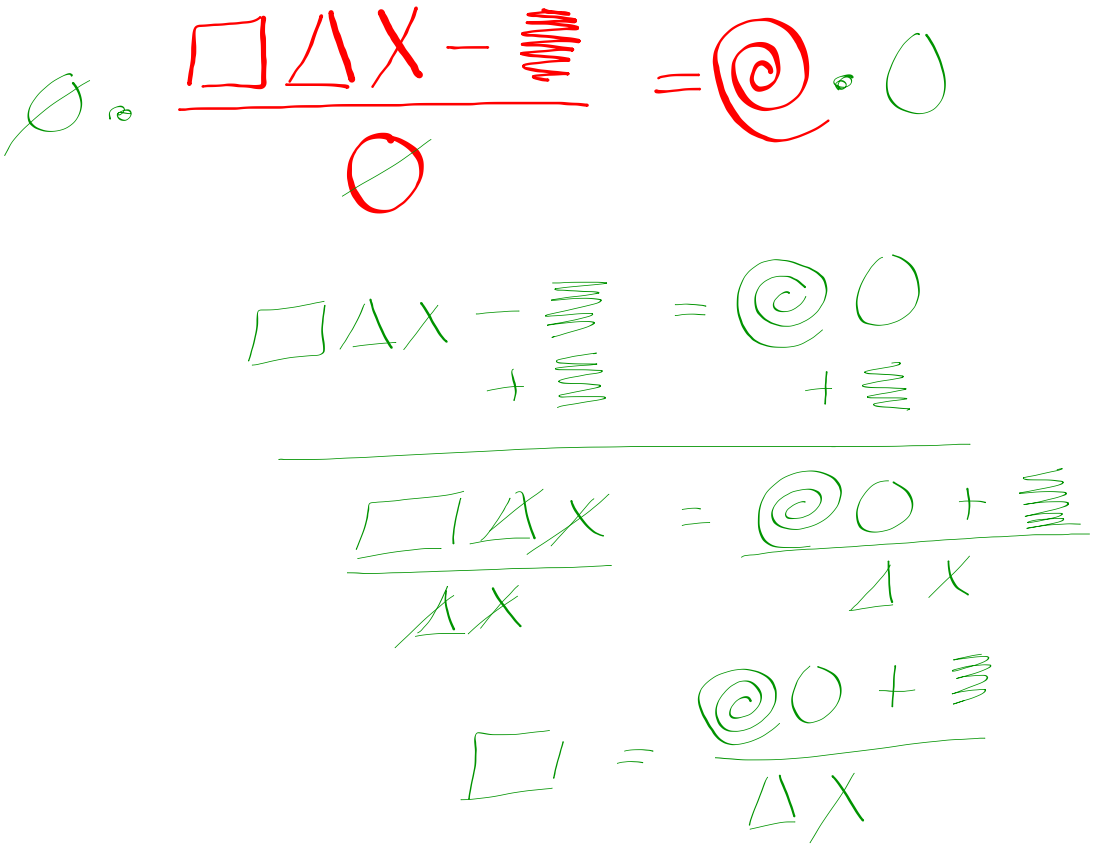
$-2L \quad -2L$

$\frac{P}{2} - \frac{2L}{2} = \frac{2W}{2}$

$\frac{P}{2} - L = W$

Challenge

Solve for □



Class Practice

LITERAL EQUATIONS WORKSHEET

Solve for the indicated variable in the parenthesis ON A SEPARATE SHEET OF PAPER!

1) $P = IRT$ (T)

2) $A = 2(L + W)$ *(W)*

3) $y = 5x - 6$ *(x)*

4) $2x - 3y = 8$ *(y)*

5) $\frac{x+y}{3} = 5$ (x)

6) $y = mx + b$ *(b)*

7) $ax + by = c$ (y)

8) $A = h(b + c)$ *(b)*

9) $V = LWH$ (L)

10) $A = 4r^2$ (r^2)

11) $V = \pi r^2 h$ *(h)*

12) $7x - y = 14$ (x)

13) $A = \frac{x+y}{2}$ (y)

14) $R = \frac{E}{I}$ *(I)*

15) $x = \frac{yz}{6}$ (z)

16) $A = \frac{r}{2L}$ *(L)*

17) $A = \frac{a+b+c}{3}$ (b)

18) $12x - 4y = 20$ (y)

19) $x = \frac{2y-z}{4}$ (z)

20) $P = \frac{R-C}{N}$ *(R)*

(10) $\frac{A}{4} = \frac{4r^2}{4}$ (r^2)

$\frac{A}{4} = r^2$

(5) $3 \cdot \frac{x+y}{3} = 5 \cdot 3$ (x)

$x + y = 15$

$-y \quad -y$

$x = 15 - y$

① $\frac{P}{IR} = \frac{IRT}{IR}$ (T)

$\frac{P}{IR} = T$

Attachments

Syllabus - Math I A.doc