

# Literal Equations – Worksheet #1



**SHOW ALL WORK!!**



## Regular Equations

1a)  $x - 7 = 8$

2a)  $4x = -12$

3a)  $2x - 5 = 11$

4a)  $\frac{1}{2}(4x) = -20$

5a)  $\frac{x}{-8} = 11$

## Literal Equations

1b) Solve for x:  $x - b = a$

2b) Solve for k:  $-3k = m$

3b) Solve for b:  $2b - 9 = d$

4b) Solve for g:  $aeg = 10$

5b) Solve for y:  $\frac{y}{3} = h$

# Literal Equations – Worksheet #1

6a)  $14 = 2x + 26$

6b) Solve for v:  $3d = 7v + 5$

7a)  $-30 = 4 - 8x$

7b) Solve for h:  $7a = 10 - 2h$

8a)  $3(x - 4) = 12$

8b) Solve for p:  $5(4x + p) = w$

Which of the following is equivalent to:

$$7a - 8b = 10x$$

A.  $a = \frac{18xb}{7}$

B.  $a = \frac{10x + 8b}{7}$

C.  $a = \frac{10x - 8b}{7}$

Which of the following is equivalent to:

$$4ab + k = 13$$

A.  $k = \frac{13}{4ab}$

B.  $k = \frac{13 - ab}{4}$

C.  $k = 13 - 4ab$