Please have your homework on your desk.

Calculator? Yes!

DATE:

TSW solve literal equations.

QRQ4:

Solve

1 
$$2(x + 7) = -3(x - 7)$$

$$2(x+7) = -3(x-7)$$
  $2$   $3x+2 = \frac{1}{3}(6x+9)$ 

Solve each equation for the identified variable.

Ex1 
$$a = bcd$$

Solve for <u>c</u>

$$\frac{a}{bd} = c$$

Solve for rEx2

$$\frac{\mathbf{m}}{\sqrt{2}p} = \frac{\mathbf{n}^2 \mathbf{p} \mathbf{r}}{\sqrt{2}p}$$

$$\frac{m}{n^2p} = r$$

Now You Try These!

Solve each equation for the identified variable.

$$wxy = z$$

Solve for y

$$y = \frac{Z}{WX}$$

$$\frac{V}{\gamma r^2} = \frac{\pi r^2 h}{\gamma r^2}$$
 Solve for  $h$ 

 $\frac{\sqrt{}}{\sigma r^2} = h$ 

$$ax - 7 = b$$

$$\frac{ax}{a} = \frac{b+7}{a}$$

$$x = \frac{b+7}{a}$$

3

Solve for 
$$x$$
  $b = ax + 8$ 

$$\frac{6-8}{a} = \frac{ax}{a}$$

$$\frac{Q}{P-8} = X$$

Ex4 Solve for 
$$\underline{m}$$
  $y = mx + b$   
 $\underline{y - b} = \underline{mx}$   
 $\underline{y - b} = m$   
 $\underline{x}$ 

4 Solve for 
$$\underline{a}$$
  $ax + b = c$ 

$$\underline{ax = c - b}$$

$$\underline{ax = c - b}$$

$$\underline{a = c - b}$$

Ex5 
$$2x + 3y = 12$$
 Solve for  $y = -\frac{2}{3}x + \frac{12}{3}$   $y = -\frac{2}{3}x + \frac{4}{3}$ 

5 Solve for 
$$y = 10x + 5y = 15$$

$$-10x - 10x$$

$$5y = -10x + 15$$

$$5$$

$$7 = -2x + 3$$

Ex6 
$$-3x + 6y = 18$$
$$+3x$$
Solve for y 
$$\frac{-3x + 18}{6}$$
$$6y = 3x + 18$$
$$6y = \frac{3x + 18}{6}$$
$$y = \frac{1}{2}x + 3$$

6 Solve for 
$$y$$

$$\frac{-8x + 4y = 12}{+8x}$$

$$\frac{4y = 8x + 12}{4}$$

$$y = 2x + 3$$















