

Quiz today!

Homework review 3.4

(45)

$$\begin{array}{r} 5x \\ 5x \\ 3x+6 \\ 3x+6 \\ \hline \end{array}$$

$$16x+12$$

$$16 \cdot 3 + 12$$

$$48 + 12 = 60$$

$$\begin{array}{l} \square \quad 5x \\ 3x+6 \quad 5 \cdot 3 = 15 \\ 3 \cdot 3 + 6 \\ 9 + 6 = 15 \\ \times 4 \\ \boxed{60} \end{array}$$

$$\begin{array}{r} 3x+6=5x \\ -3x \quad -3x \end{array}$$

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

$$x=3$$

$$\times 4$$

$$P=12$$

$$\begin{array}{c} \triangle \\ x+4 \quad x+4 \\ 2x \end{array}$$

$$2x = x + 4$$

① 12 chocolate bars
8 chocolate bars + 1.20
x cost of bar
y amount of money you have

$$y = 12x$$

$$y = 1.20 + 8x$$

$$12x = 8x + 1.20$$

$$\begin{array}{r} -8x \quad -8x \\ \hline 4x = 1.20 \\ \hline \frac{4x}{4} = \frac{1.20}{4} \end{array}$$

$$x = .30$$

⑤ $\$140 = \text{amount earned (Sam)}$

$\$60 = \text{amount earned (Pam)}$

$x = \text{amount nam gave}$

~~$y = \text{amount Pam has}$~~

~~$2y = \text{amount Sam has}$~~

$140 + x = \text{Sam}$

$60 + x = \text{Pam}$

$140 + x = 2(60 + x)$

$$\begin{array}{r} 140 + x = 120 + 2x \\ -120 \quad -120 \end{array}$$

$20 + x = 2x$

$$\begin{array}{r} -x \quad -x \\ 20 = x \end{array}$$

$20 = x$

$$\begin{aligned} \textcircled{20} \quad 8z &= 4(2z+1) \\ 8z &= 8z+4 \\ -8z \quad -8z & \quad \text{no solution} \\ 0 &= 4 \end{aligned}$$