

BE-1A

TUESDAY 10-6-09

- ① WHAT IS THE GRE? (NOT JUST THE NAME, WHAT IS THE RULE?)
 - ② WHAT DOES IT MEAN TO "SOLVE" AN EQUATION?
 - ③ SOLVE AND CHECK: $X + 12 = -18$
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$$\begin{array}{r} \textcircled{3} \quad X + 12 = -18 \\ \quad -12 \quad -12 \end{array}$$

$$\boxed{X = -30}$$

$$\underline{\text{CK}} \quad () + 12 \stackrel{?}{=} -18$$

$$(-30) + 12 \stackrel{?}{=} -18$$

$$-18 \stackrel{?}{=} -18 \quad \checkmark$$

• TAKE OUT HOMEWORK Pg. 131 #4-10.

1.
* MULTIPLICATION AND DIVISION "UNDO" EACH OTHER

(EX) START WITH 8
MULTIPLY BY 2
16

TO GET BACK TO 8, divide 16 by 2 = 8

(EX) START WITH 10, divide by 5

$$\frac{10}{5} = 2 \quad \text{To "undo", multiply by 5}$$

$$2 \cdot 5 = 10 \checkmark$$

(EX) SOLVE: $\frac{4x}{4} = \frac{16}{4}$

$$1x = 4$$

$$\boxed{x = 4}$$

CK $4(4) \stackrel{?}{=} 16 \checkmark$

$$\textcircled{\text{EX}} \quad \frac{-3x}{-3} = \frac{-15}{-3}$$

$$\boxed{x = 5}$$

$$\underline{\underline{\text{CK}}} \quad -3(5) \stackrel{?}{=} -15 \checkmark$$

$$\textcircled{\text{EX}} \quad \frac{x}{7} = 2$$

$$7 \cdot \frac{x}{7} = 2 \cdot 7$$

$$\boxed{x = 14}$$

$$\underline{\underline{\text{CK}}} \quad \frac{(14)}{7} \stackrel{?}{=} 2 \checkmark$$

$$\textcircled{\text{EX}} \quad \frac{x}{-3} = 1$$

$$-3 \cdot \frac{x}{-3} = 1 \cdot -3$$

$$\boxed{x = -3}$$

$$\underline{\underline{\text{CK}}} \quad \frac{(-3)}{-3} \stackrel{?}{=} 1 \checkmark$$

Ch. 3-3 Solving Equations Using Multiplication & Division

$$\textcircled{E} \quad \frac{3}{4}X = 11$$

$$\frac{\frac{3}{4}}{\frac{3}{4}} \quad \frac{11}{\frac{3}{4}}$$

$$X = \frac{11}{1} \cdot \frac{4}{3}$$

$$X = \frac{44}{3}$$

$$\underline{\text{OR}} \quad \frac{4}{3} \cdot \frac{3}{4}X = 11 \cdot \frac{4}{3}$$

$$X = \frac{44}{3}$$

$$\underline{\text{CK}} \quad \frac{3}{4} \left(\frac{44}{3} \right) = 11$$

$$11 = 11 \checkmark$$

Homework: Pg 138 #13 to 20