BE-1A MONDAY 11-27-06

1. WHAT "UNDOES" MULTIPLICATION?
2. WHAT "UNDOES" DIVISION?
3. WHAT IS THE 3 DOING TO THE X IN THE EXPRESSION $3x$?
4. HOW WOULD YOU "UNDO" THE 3 TO GET X BY ITSELF?
5. SOLVE AND CHECK:

$$3x = 21$$

☑ Ch. 3-2 "Solving Equations Using +, −"

☐ Ch. 3-3 "Solving Equations Using •, ÷"

SOLVE BY "UNDOING"

EX1 Pg. 135

$$\frac{t}{30} = \frac{7}{10}$$

$$30 \cdot \frac{t}{30} = \frac{7}{10} \cdot 30$$

$$\frac{\cancel{30}^{1}}{1} \cdot \frac{t}{\cancel{30}_{1}} = \frac{7}{\cancel{10}_{1}} \cdot \frac{\cancel{30}^{3}}{1}$$

$$t = \frac{7 \cdot 3}{1 \cdot 1}$$

$$t = \frac{21}{1}$$

$$\boxed{t = 21}$$

$$30 \cdot \frac{t}{30} = \frac{7}{\cancel{10}_{1}} \cdot \cancel{30}^{3}$$

$$\boxed{t = 21}$$

CK $\quad \frac{(21)}{30} \stackrel{?}{=} \frac{7}{10}$ ✓

Ex 5 Pg. 137

$$\frac{13s}{13} = \frac{195}{13}$$

$$\boxed{s = 15}$$

Ex 6 Pg 137

$$\frac{-3x}{-3} = \frac{12}{-3}$$

$$\boxed{x = -4}$$

Your turn:

Pg. 138 (#4) $-2g = -84$

(#5) $\frac{t}{7} = -5$

(#6) $\frac{a}{36} = \frac{4}{9}$

(#7) $\frac{4}{5}k = \frac{8}{9}$

"$\frac{4}{5}$ ÷ by $\frac{4}{5}$" is same as thinking "what"

Homework:

- Read Ch. 3-3
- Pg. 138 # 13 to 22