

BE-1A

TUESDAY 3-11-08

* ONLY 3 SHOPPING
days to 7 day.

NOTE: EXAM 2 reviews: CHAPTERS 4-1, 4-3 $\rightarrow$ 4-6,
5-1 $\rightarrow$ 5-4, 3-6.

- ① Y VARIES DIRECTLY AS X, $y = -24$ WHEN $x = 8$.
WRITE A DIRECT VARIATION EQUATION THAT RELATES
X AND Y. THEN, FIND X WHEN $y = 6$.
 - ② PUT $-3x + y = -1$ IN SLOPE-INTERCEPT FORM,
THEN GRAPH THE LINEAR EQUATION.
 - ③ GIVEN THE SLOPE OF A LINE IS 6 AND THE
Y-INTERCEPT IS -2 , WRITE THE EQUATION OF THE LINE.
 - ④ WRITE THE EOL WITH SLOPE $\frac{1}{2}$ THROUGH $(-2, -3)$.
 - ⑤ WRITE THE EOL THROUGH $(-4, 2)$, $(1, 12)$.
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* TAKE OUT homework, Page 251 #4, 5, 8 $\rightarrow$ 23.

$\Rightarrow$ Homework review.

• Chapter 5 Study Guide, Pages 308-310.

- (Ex.) A golf club charges \$500 to join AND \$150 per month for dues. Write a linear Equation to model the situation.

Focus on the slope $\Rightarrow \frac{\text{rise}}{\text{run}} \Rightarrow \frac{\text{change in } y}{\text{change in } x}$

↑ RANGE
↓ domain

The "per" is a clue, 150 $\frac{\text{dollars}}{\text{month}}$ is the slope

y $\Rightarrow$ d
x $\Rightarrow$ m

$$y = mx + b$$

$$d = 150m + 500$$

↖ The "b" is the "starting" value

Homework: Ch. 5 Practice Test, Page 313
4 to 16.