JMJ

Name: _____ Math 8

Chapter 14 – 5

SET A

Directions: (a) Indentify the slope and y-intercept.
(b) Graph each.

1.) $Y = \frac{-3}{4}x + 8$

2.) $y = \frac{1}{3}x - 6$

3.) y = -x

4.) Graph and find the area:
A (4, 3) B (-3, 6) C (-3, -7)

5.) Graph and find the area:
E (-3, 7) F (-3, 2) G (1, 7)

H (1, 5) J (1, 2) K (4, 2)

SET B

Directions:
(a) Graph each pair of lines on the same axes.
(b) Determine the solution point.
(c) Prove the solution.

1.) y = -5x + 4 & y = -x

2.) y = 2x + 2 & y = x + 1

3.) $y = \frac{-1}{5}x$ & y = x – 6

4.) y = -3x & y = x – 4

5.) y = x + 4 & $y = \frac{1}{3}x$

6.) y = 2x + 2 & y = 3x

SET C

Directions: (a) Determine slope and y-intercept.
(b) Graph each.

1.) 2y = 6x – 4

2.) y – x = -4

3.) $y - \frac{2}{3}x = -5$

4.) -3y = 9x – 3

5.) 2y = x + 8

6.) y – x = 3

7.) 2y – 4x = -4

SET D

Directions: Identify the slope and y-intercept for each. NO GRAPHING is necessary.

1.) -3y = -9x – 12 2.) -4y = 8x + 16

3.) y + 2 = -3x 4.) y – 4 = 2x

5.) y – 2 = -5x 6.) $y + 6 = \frac{1}{3}x$

7.) y – x = 4 8.) y – 2x = 3

9.) y – 1/2 x = 7 10.) y + 5x = 6

11.) y + 2x = 3 12.) y + 4x = -7

13.) y + 3x = -2 14.) 2y + 4x = 12

15.) 3y – 6x = -18 16.) -2y + 8x = 14

17.) 4y – x = -16 18.) 5y + 5x = 20