Algebra 1

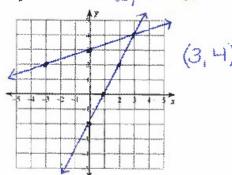
Name

Mid-Unit 3 Remediation

Date

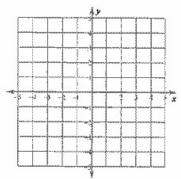
Solve each system by graphing.

1)
$$y = \frac{1}{3}x + 3$$
 $M = \frac{1}{3}$, $h = 3$
 $y = 2x - 2$ $M = 2$, $b = -2$



2)
$$y = \frac{1}{4}x - 4$$

$$y = -\frac{5}{4}x + 2$$



Solve each system by substitution.

3)
$$-3x + 2y = 16$$

 $x + 3y = 13$

3)
$$-3x+2y=16$$

 $x+3y=13$
 $X=13-3y$
 $-3(13-3y)+2y=10$
 $-39+9y+2y=10$
 $-39+10y=10$
 $-39+10$
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 $-39+10$
 -39

4) x + 7y = 7

-4x - 6y = 16

Solve each system by elimination.

5)
$$(-5x+7y=-11)$$
 2
 $9x-14y=17$
 $-10x+14y=-22$
 $-25+7y=-11$
 $+25$
 $+25$
 $\times = 5$
 $-25+7y=-11$
 $+25$
 $+25$
 $\times = 5$
 $-25+7y=-11$
 $+25$
 $+25$
 $-35+7y=-11$
 $+25$
 $-35+7y=-11$
 $-35+7y=-1$

7) Ted and Kali each improved their yards by planting daylilies and ornamental grass. They bought their supplies from the same store. Ted spent \$15 on 1 daylily and 2 bunches of ornamental grass. Kali spent \$130 on 10 daylilies and 10 bunches of ornamental grass. Find the cost of one daylily and the cost of one bunch of ornamental grass.

8) The school that Shayna goes to is selling tickets to a choral performance. On the first day of ticket sales the school sold 2 senior citizen tickets and 12 student tickets for a total of \$198. The school took in \$306 on the second day by selling 12 senior citizen tickets and 9 student tickets. What is the price each of one senior citizen ticket and one student ticket?