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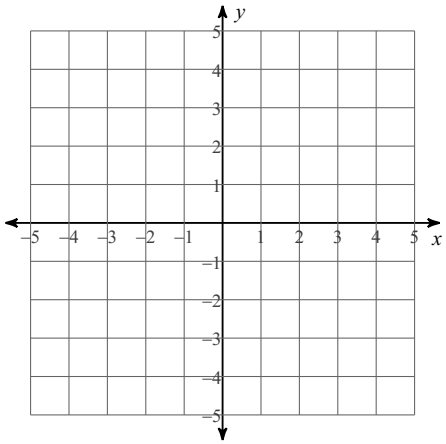
# EOC Systems of Linear Equations Review

Date_____ Period____

**Solve each system by graphing.**

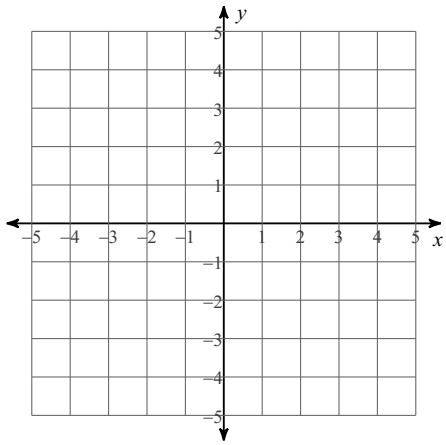
1) $y = \frac{1}{4}x + 3$

$y = -\frac{3}{2}x - 4$




2) $x = -3$

$4x + 3y = -3$




**Solve each system.**

3) $8x + 8y = 8$

$-16x + 6y = 28$

4) $8x + 2y = 8$

$7x - 7y = -28$

5) $5x - 2y = -8$

$2x + 3y = -7$

6) $-2x + y = 13$

$-2x - 5y = 19$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7) $-x - 5y = 12$
$-2x + y = 13$

8) $-5x - y = -3$
$y = 6x + 14$

9) $y = -8x + 19$
$y = -4x + 11$

10) The school that Nicole goes to is selling tickets to the annual dance competition. On the first day of ticket sales the school sold 2 adult tickets and 12 student tickets for a total of $58. The school took in $47 on the second day by selling 7 adult tickets and 3 student tickets. Find the price of an adult ticket and the price of a student ticket.

11) Pranav and Daniel each improved their yards by planting hostas and shrubs. They bought their supplies from the same store. Pranav spent $184 on 13 hostas and 10 shrubs. Daniel spent $104 on 6 hostas and 7 shrubs. What is the cost of one hosta and the cost of one shrub?

12) John scored 27 total points in his last basketball game. He made baskets worth 2 points and he made baskets worth 3 points. If he made 11 total shots, how many of each top of shot did he make?

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