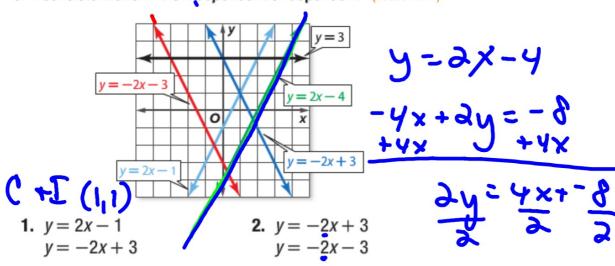
Algebra 1 MCT review

- ★ Solve systems by graphing
- ♣ Solve systems using substitution
- ★ Solve systems using elimination

Test Fri. 6.1-6.4

Use the graph to determine whether each system is *consistent* or *inconsistent* and if it is *independent* or dependent. (Lesson 6-1)



 $y = m \times + S$ Graph each system and determine the number of solutions that it has. If it has one solution, name it. (Lesson 6-1)

3.
$$y = 2x - 3$$

4.
$$x + y = 6$$

$$y = x + 4 \qquad \qquad x - y = 4$$

Use substitution to solve each system of equations.

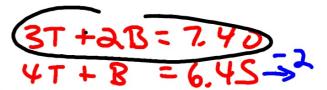
9.
$$y = x + 4$$

 $2x + y = 16$
 $3x + 4$
 $3x$

$$\frac{3x+y=16}{3x=12}$$

13. FOOD The cost of two meals at a restaurant is shown in the table below. (Lesson 6-2)

Meal	Total Cost
3 tacos, 2 burritos	\$7.40
4 tacos, 1 burrito	\$6.45



- Define variables to represent the cost of a taco and the cost of a burrito.
- Write a system of equations to find the cost of a single taco and a single burrito.
- c. Solve the systems of equations, and explain what the solution means.
- d. How much would a customer pay for 2 tacos and

$$T = {}^{2 \text{ burritos?}} {}^{4} 6.3$$

$$B = {}^{4} 2.05$$

$$a(1.10) + a(2.05)$$

$$a(2.05) + 4.10$$

$$3(1.1)$$
 $2\beta = 7.40$
 $3(1.1)$ $2\beta = 7.40$
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 $3(1.1)$ $2\beta = 7.40$

15. MULTIPLE CHOICE Angelina spent \$16 for 12 pieces of candy to take to a meeting. Each chocolate bar costs \$2, and each lollipop costs \$1. Determine how many of each she bought. (Lesson 6-3)

Use elimination to solve each system of equations.

(Lessons 6-3 and 6-4)

16.
$$x + y = 9$$
 $x - y = -3$ **17.** $x + 3y = 11$ $x + 7y = 19$

20. MULTIPLE CHOICE The Blue Mountain High School Drama Club is selling tickets to their spring musical. Adult tickets are \$4 and student tickets are \$1. A total of 285 tickets are sold for \$765. How many of each type of ticket are sold? (Lesson 6-4)

