Agenda Warm-Up Wednesday

Warm-Up

HW Check

Activity system loop

HW (I page) Optional for +20 points on
HW (if completed correctly

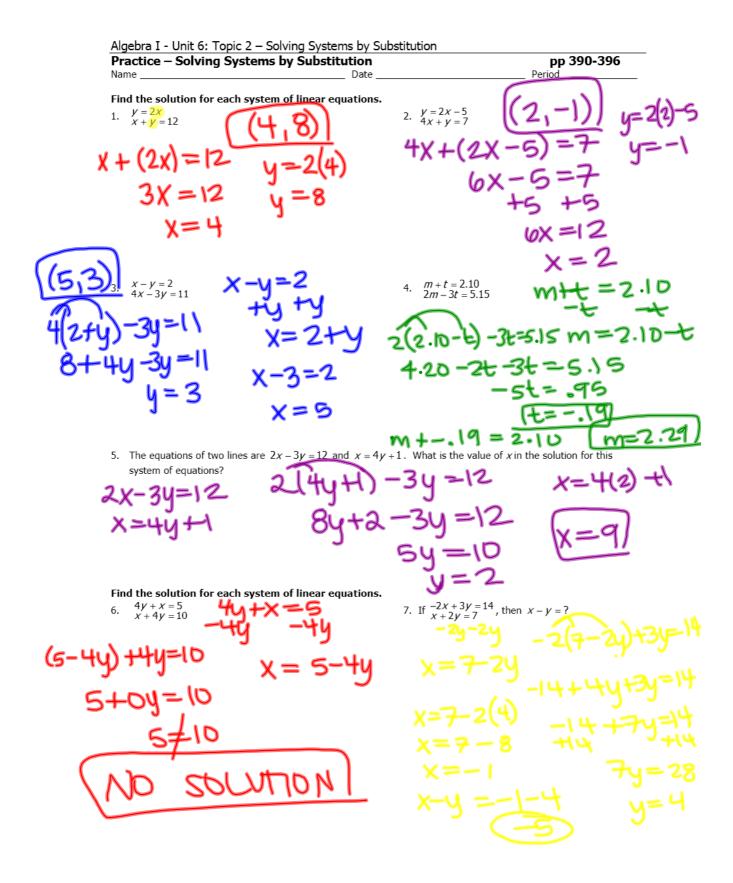
with work shown)

1. Ms. Kitts works at a music store. Last week she sold a more than 3 times the number of CDs that she sold this week. Ms. Kitts sold a total of 108 CDs over the 2 weeks. Which system of equations can be used to find x, the number of CDs she sold last week, and y, the number of CDs she sold this week?

2. Begin cutting out your system loop cards. There is a line in the middle of every card - do not cut it.

Answers:

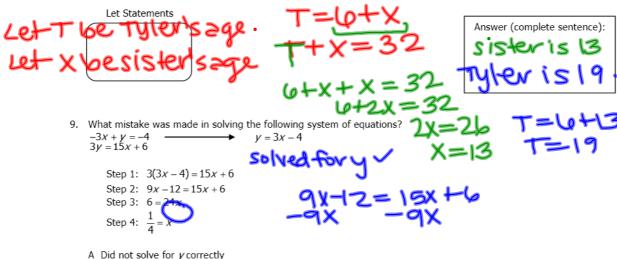
- 1. (4,8)
- 2. (2,-1)
- **3**. (5,3)
- 4. m = 2.29, t = -.19
- 5.9
- 6. No Solution
- 7. -5
- 8. Tyler is 19 and his sister is 13.
 - 9. C
 - 10. A large popcorn costs \$5.
 - 11. C



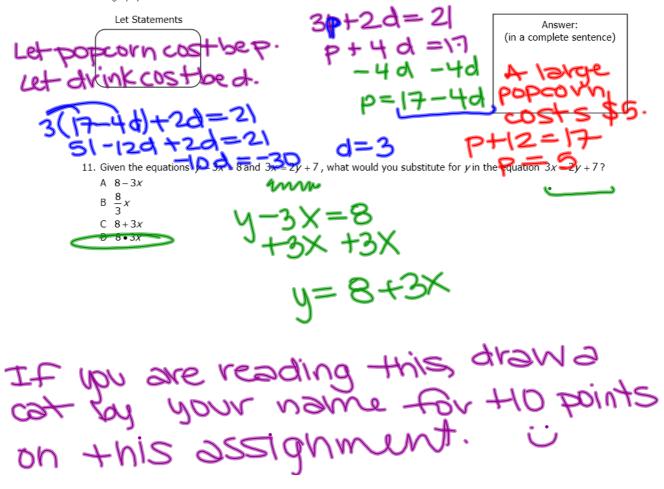
Algebra I - Unit 6: Topic 2 - Solving Systems by Substitution

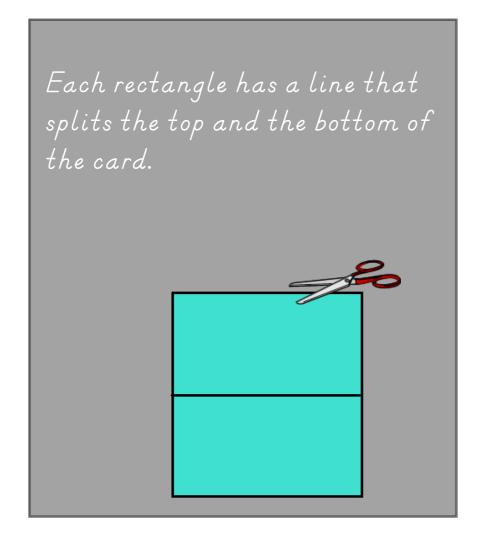
Find the solution for each system of linear equations.

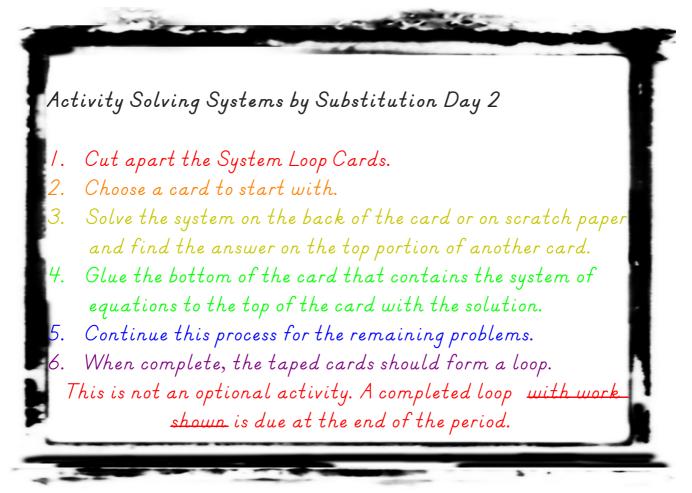
8. Tyler is six years older than his sister, and the sum of their ages is 32. How old is Tyler? How old is his sister?



- A Did not solve for y correctly
- B Did not distribute correctly in Step 1
- Should have subtracted 9x from 15x in Step 2
- o mistake was made
- 10. At the Cinema Snakshak, one customer bought 3 large popcorn buckets and 2 small drinks for a total of \$21.00. Another customer bought one large popcorn bucket and 4 small drinks for a total of \$17.00. Find the cost of a









Need problems solved - any more is +5 for each problem

Optional for +20 points on HW (if completed correctly with work shown)

Algebra I - Unit 6: Topic 2 - Solving Systems by Substitution Day 2

Practice – Solving Systems by Substitution Day 2

pp 390-396 Period _

"WHAT DIJNEY MOVIE IJ ABOUT A JTUPID BOYFRIEND?"

Solve the systems of equation using the substitution method. The answer to each problem will match a letter that will allow you to figure out the joke.

1.
$$2x + 3y = 10$$
$$y = -x + 2$$

2.
$$x = 4y - 7$$

 $3x = 2y - 1$

B.
$$(\frac{1}{2},7)$$

3.
$$6x - y = -4$$
$$2x + 2y = 15$$

3.
$$2x + 2y = 1$$

$$4. \quad \begin{array}{ll} 5y - 6 = X \\ y = -X \end{array}$$

5.
$$\begin{array}{c} x - 2y = 1 \\ y = x + 2 \end{array}$$

6.
$$\begin{array}{c} x - y = 3 \\ 6x + 4y = 13 \end{array}$$

7.
$$6x - 2y = 7$$

$$y - 3x = -6$$

V. All real number on the line:
$$y = -\frac{1}{2}x + 3$$

B.
$$(\frac{5}{2}, -\frac{1}{2})$$

8.
$$x-7y=19$$

 $5x=-2y-16$