Quiz #3 (2.14 - 2.20) Rev
Algebra 1

Name:

Lesson 15: Solving Systems by Elimination (Part 2)

Lesson 16: Solving Systems by Elimination (Part 3)
- ☐ I can solve systems of equations by multiplying each side of one or both equations by a factor, then adding or subtracting the equations to eliminate a variable.
- ☐ I understand that multiplying each side of an equation by a factor creates an equivalent equation whose graph and solutions are the same as that of the original Equation.

(DM: Elimination)

① $-5x + 7y = 40$
$10x + 7y = 25$

② $-7x - 6y = -1$
$14x + 5y = 9$

③ $5x - 5y = 0$
$4x - 6y = -18$

Lesson 17: Systems of Linear Equations and Their Solutions
- ☐ I can tell how many solutions a system has by graphing the equations or by analyzing the parts of the equations and considering how they affect the features of the graphs.
- ☐ I know the possibilities for the number of solutions a system of equations could have.

(DM: Number of solutions)

④ $x + y = 6$
$-2x - 2y = -12$

⑤ $2x + y = 4$
$4x + 4y = 11$

⑥ $3x + 4y = -4$
$15x + 20y = -22$

Lesson 18: Representing Situations with Inequalities
☐ I can write inequalities that represent the constraints in a situation.

Lesson 19: Solutions to Inequalities in One Variable
☐ I can graph the solution to an inequality in one variable.
☐ I can solve one-variable inequalities and interpret the solutions in terms of the situation.
(DM: Linear Inequalities)

$$\text{(7)} \quad -6x + 43 \geq 1 \qquad \text{(8)} \quad x - 4 \leq 2x - 1 \qquad \text{(9)} \quad -x + 5(4x-4) < 10x - 10 - 2x$$

Lesson 20: Writing and Solving Inequalities in One Variable
☐ I can analyze the structure of an inequality in one variable to help determine if the solution is greater or less than the solution to the related equation.
☐ I can write and solve inequalities to answer questions about a situation.
(DM: Write single inequality from context)
(DM: Write and solve inequalities in context)