



Algebra 2

Topic 3 // Three Variable Systems A

N:

D:

P: 1 2 3 4 5 6

Holt: 3-6 Solving Three Variable Systems p. 220

1. $x - y + z = -1$

$$x + y + 3z = -3$$

$$2x - y + 2z = 0$$

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

$$-x + 2y + z = 1$$

$$-x + y - 3z = 11$$

3. $x - 2y + z = -4$

$$-4x + y - 2z = 1$$

$$2x + 2y - z = 10$$

4. $x - 3y + 3z = -4$

$$2x + 3y - z = 15$$

$$4x - 3y - z = 19$$

5. $2x + y - z = 5$

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

$$15x + 6y - 2z = 12$$

6. $x - 2y + 3z = 12$

$$2x - y - 2z = 5$$

$$2x + 2y - z = 4$$

7. $x - 3y + z = 6$

$$2x - 5y - z = -2$$

$$-x + y + 2z = 7$$

8. $3x + 2y - z = 12$

$$-4x + y - 2z = 4$$

$$x - 3y + z = -4$$

9. $12x + 7y + 5z = 16$

$$-2x + y - 14z = -9$$

$$-3x - 2y + 9z = -12$$