

Name: _____ Period: _____

Score:

_____/_____
_____%

HW 9-8 HONORS: More Augmented Matrices

Solve each system of equations using an augmented matrix. Remember you can check your answer.

1.

$$4x + 8y = 20$$

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

$$x = 7$$

$$y = -1$$

2.

$$-4x + 9y = 9$$

$$x - 3y = -6$$

3.

$$-7x + y = -19$$

$$-2x + 3y = -19$$

$$x = 2$$

$$y = -5$$

4.

$$36 + 7x - 8y = 0$$

$$-10y = -12 - 6x$$

5.

$$21x + 6y = 24$$

$$-14x - 4y = -2$$

No Solution

6.

$$-x + \frac{3}{5}y = -\frac{2}{5}$$

$$\frac{18}{11}x + 3y = \frac{51}{11}$$

7.

$$x - 2y + 3z = 7$$

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

$$-3x + 2y - 2z = -10$$

$$x = 2$$

$$y = -1$$

$$z = 1$$

8.

$$x - 4y + 5z = -33$$

$$4x - y = -7$$

$$-2x + 2y - 3z = 20$$