

CP Algebra 2  
2x2 Systems of Equations Review

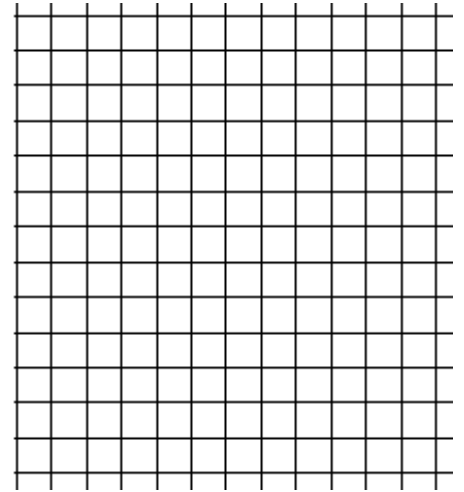
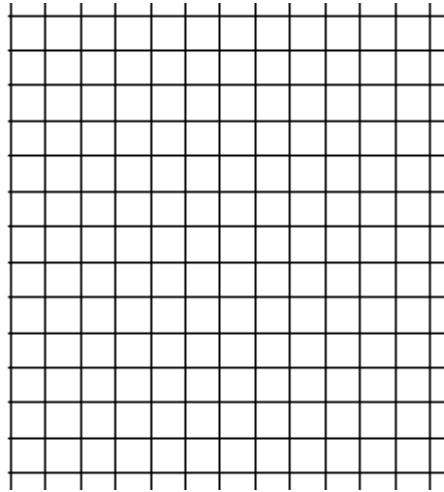
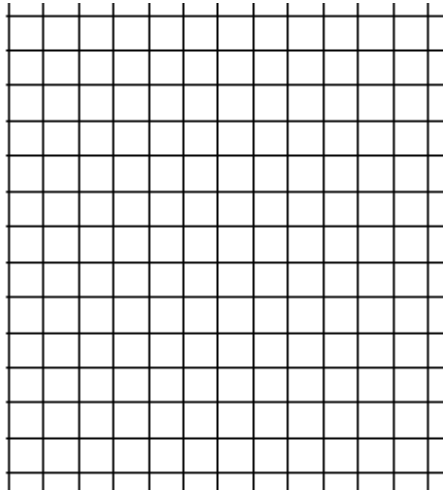
Name: \_\_\_\_\_

I.

1.) 
$$\begin{cases} y = \frac{3}{2}x - 1 \\ y = -\frac{1}{4}x + 6 \end{cases}$$

2.) 
$$\begin{cases} x + y = 3 \\ 2x - y = 9 \end{cases}$$

3.) 
$$\begin{cases} 3x + 4y = 16 \\ y = -\frac{5}{2}x - 3 \end{cases}$$



II.

4.) 
$$\begin{cases} y = 5x - 7 \\ y = \frac{3}{8}x + 2 \end{cases}$$

5.) 
$$\begin{cases} 6x - 2y = 36 \\ 5x - 15y = 70 \end{cases}$$

6.) 
$$\begin{cases} 7x - 2y = 8 \\ 5x + 6y = 10 \end{cases}$$

### III.

$$7.) \begin{cases} 8x + 3y = 15 \\ 6x - 12y = 16 \end{cases}$$

$$8.) \begin{cases} 10x = 78 - 8y \\ -7x + 9y = 44 \end{cases}$$

$$9.) \begin{cases} 6x + 7y = 35 \\ 11x = 5y + 24 \end{cases}$$

### IV. Finding Special Points Involving Triangles!

See the homework due today:      The triangle with vertices:    A(7, 4),    B(-1, -5),    C(3, 1)