

Solving Systems (write your answers as ordered triples or ordered pairs)

Solve each system by using the matrix feature on your calculator. Be sure to write down the matrix that you entered into your calculator.

$$\begin{aligned} 1) \quad & -1.5x - 3y - 0.5z = -7 \\ & 0.2x - 0.2y = -1.8 \\ & 0.5x + 0.5z = -4 \end{aligned}$$

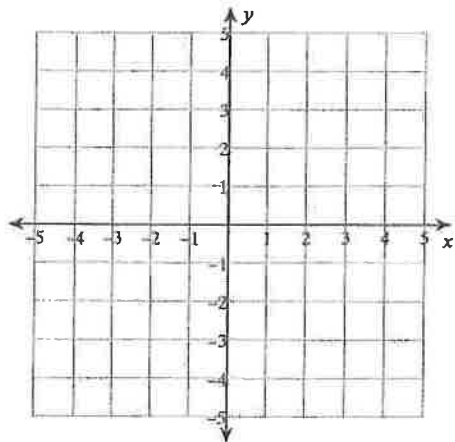
$$\begin{aligned} 2) \quad & 1.2y + 0.6z = 1.2 \\ & 0.8x + 1.2y + 2.4z = 5.2 \\ & 0.6x - 0.2y + z = 1.8 \end{aligned}$$

$$\begin{aligned} 3) \quad & -1.5x - 0.5y + z = 5.5 \\ & -0.6x - 0.8y - 0.8z = -2.6 \\ & 0.4x - 0.8y + 0.4z = 1.2 \end{aligned}$$

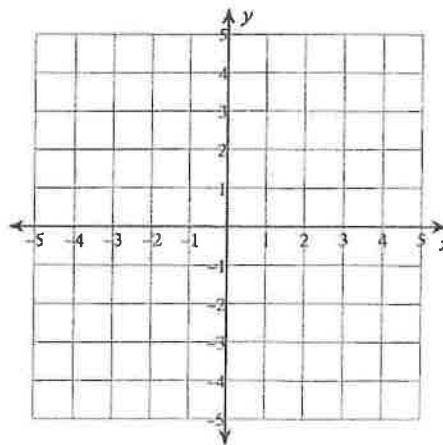
$$\begin{aligned} 4) \quad & 0.4x - 0.8y - 0.4z = -3.2 \\ & y - 0.5z = 9 \\ & x - 0.6y - z = 0.4 \end{aligned}$$

Sketch the solution to each system of inequalities. Use colored pencils for each line.

$$\begin{aligned} 5) \quad & y \geq 2x - 3 \\ & y < -4x + 3 \end{aligned}$$



$$\begin{aligned} 6) \quad & y < \frac{5}{2}x + 2 \\ & y < \frac{1}{2}x - 2 \end{aligned}$$

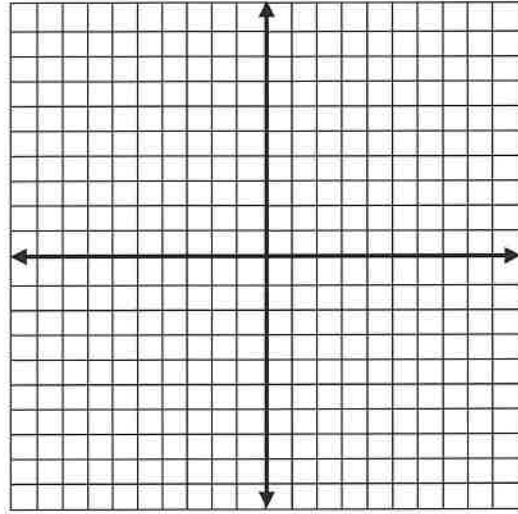
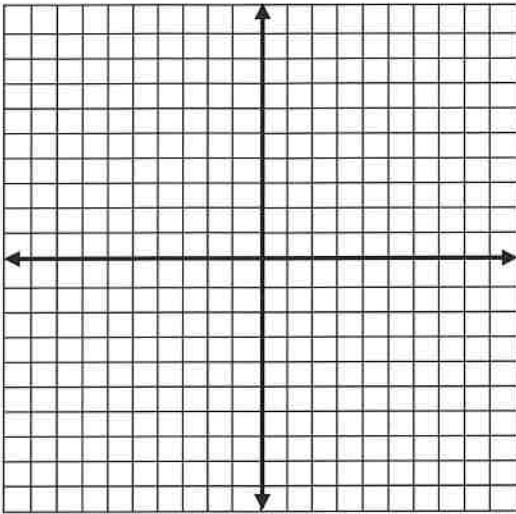


6. $y > x^2 + 4x + 1$
 $y \leq -x^2 - 2x + 1$

Rate
 myself: _____

7. $y \geq 2x^2 - 12x + 16$
 $y < -x^2 + 2x + 3$

Rate
 myself: _____



8. $y < x^2 + 5$
 $y > 2x^2 - 4$

Rate
 myself: _____

9. $y > x^2 - x$
 $y < x^2 + 3$

Rate
 myself: _____

