

Given the system of inequalities shown below, select all the point that are solutions (if any) to the following systems of inequalities. (if any)

1.
$$\begin{cases} 2x + y > -8 \\ y < -2 \end{cases}$$

- | | | | | |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | <input type="radio"/> E |
| <input type="radio"/> F | <input type="radio"/> G | <input type="radio"/> H | <input type="radio"/> I | <input type="radio"/> J |

2.
$$\begin{cases} y \leq 4x - 1 \\ y > 2x + 1 \end{cases}$$

- | | | | | |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | <input type="radio"/> E |
| <input type="radio"/> F | <input type="radio"/> G | <input type="radio"/> H | <input type="radio"/> I | <input type="radio"/> J |

3.
$$\begin{cases} y < x \\ y \geq 3 - x \end{cases}$$

- | | | | | |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D | <input type="radio"/> E |
| <input type="radio"/> F | <input type="radio"/> G | <input type="radio"/> H | <input type="radio"/> I | <input type="radio"/> J |

4.
$$\begin{cases} 3x - y \leq 6 \\ x - 4y \geq 8 \end{cases}$$

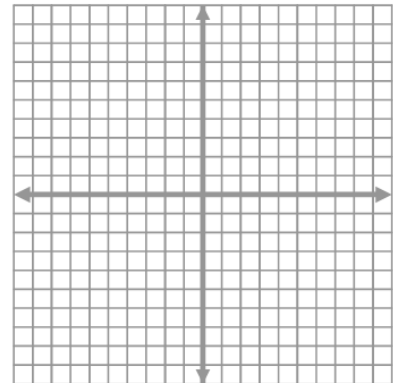
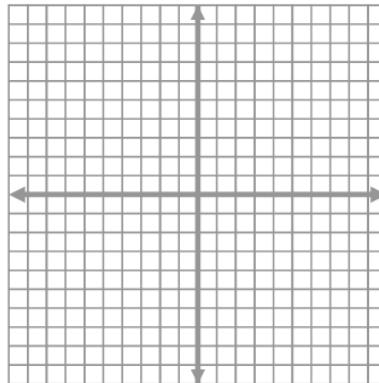
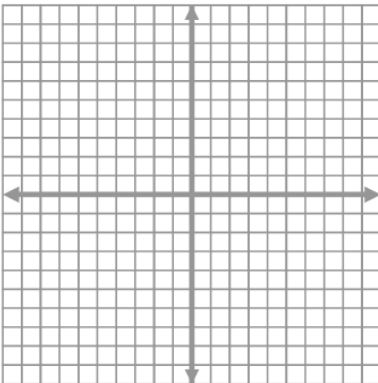
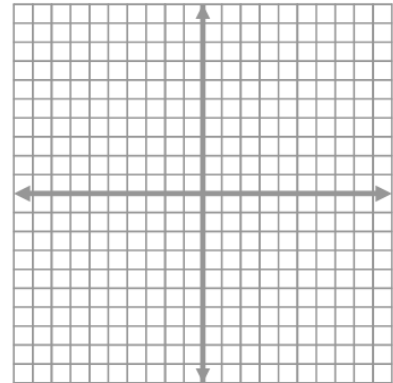
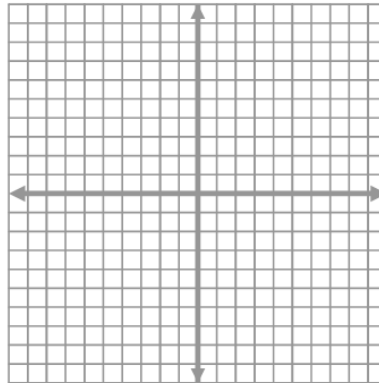
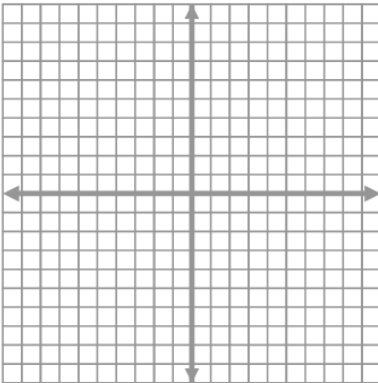
- A B C D E
 F G H I J

5.
$$\begin{cases} y \geq x \\ y < 3 \\ x > 0 \end{cases}$$

- A B C D E
 F G H I J

6.
$$\begin{cases} y < x + 1 \\ y - 2x > 1 \\ y \leq 1 \end{cases}$$

- A B C D E
 F G H I J



Answer Key

1. C. F. I.
2. A.
3. H. J.
4. D. I.
5. E.
6. NONE