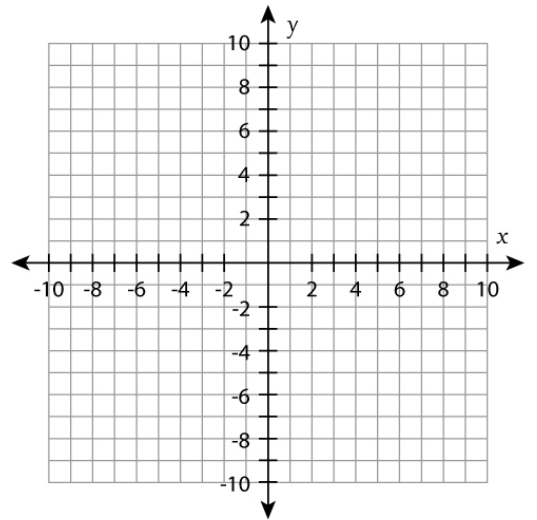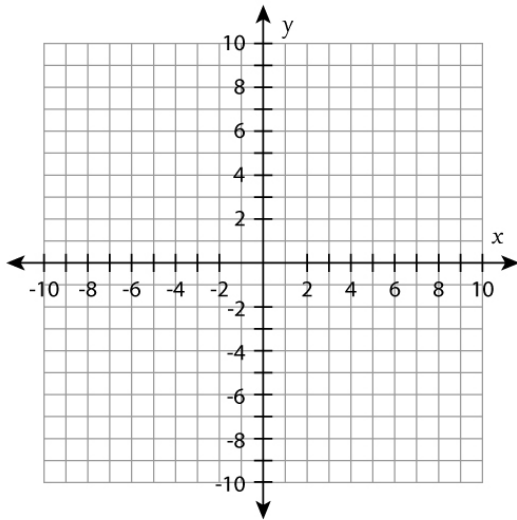# Systems of Equations and Inequalities

Solve each system by graphing. Show your answer both graphically and as an ordered pair.
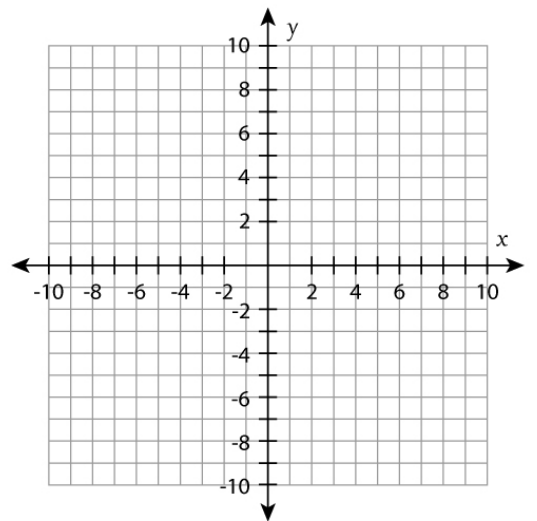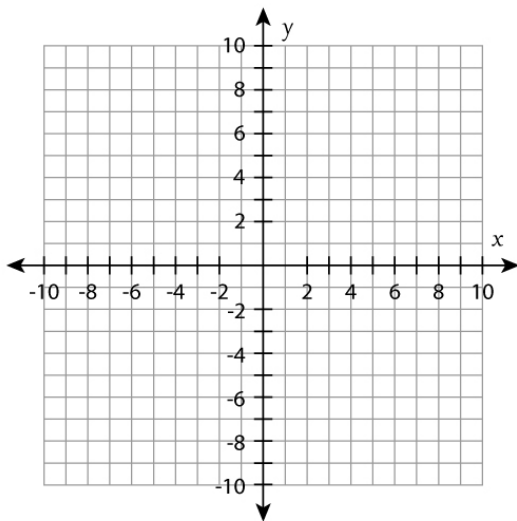
1 $x - y = 4$; $3x + y = 4$

2 $x + y \geq -3$; $3x - y > -1$
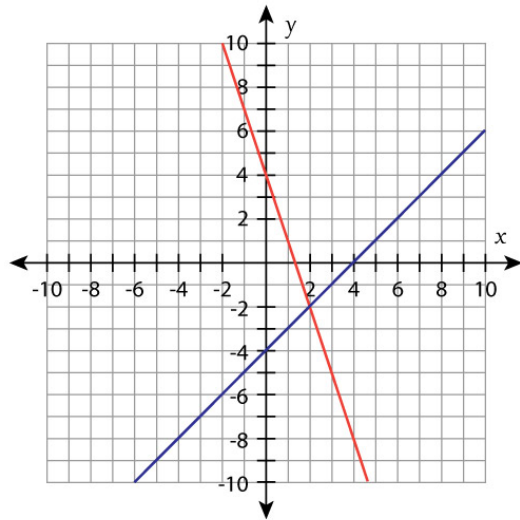
3 $y \geq \dfrac{1}{2}x - 2$; $y > -2x + 3$
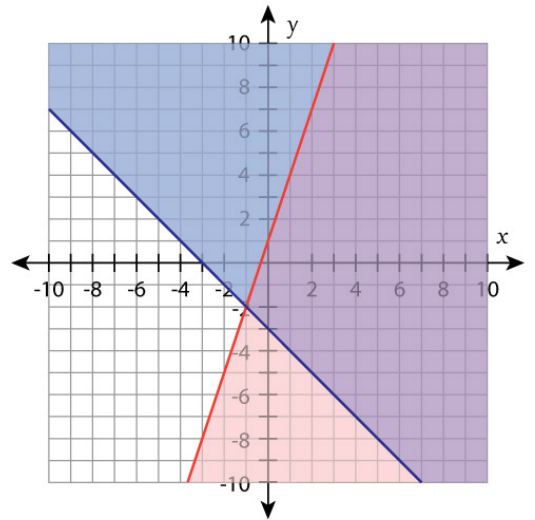
4 $13x - y > 8$; $2x + y < 7$

Systems of Equations and Inequalities
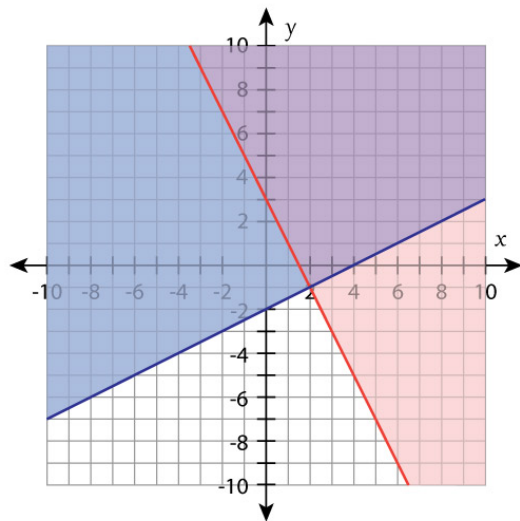
Answers

1. $x - y = 4$; $3x + y = 4$

2. $x + y \geq -3$; $3x - y > -1$

3. $y \geq \frac{1}{2}x - 2$; $y > -2x + 3$

4. $13x - y > 8$; $2x + y < 7$