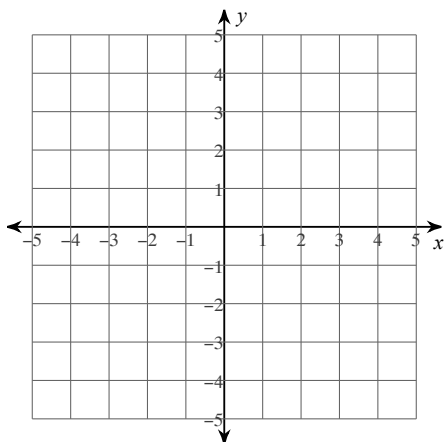


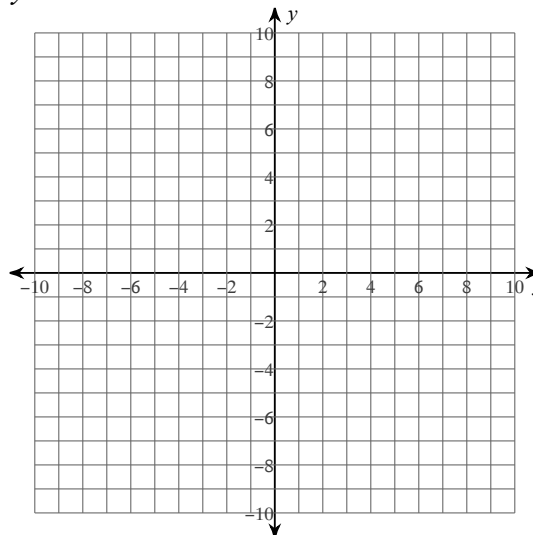
7.2 Solving Systems by Graphing

Solve each system of equations by graphing. State your answers as coordinate points.

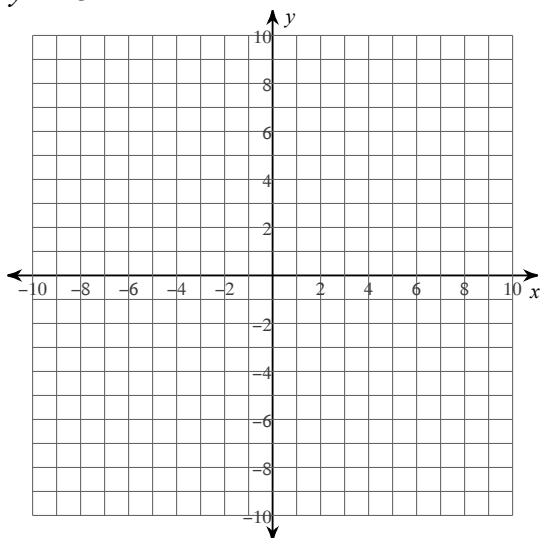
1) $y = \frac{1}{2}x + 1$
 $y = 3x - 4$



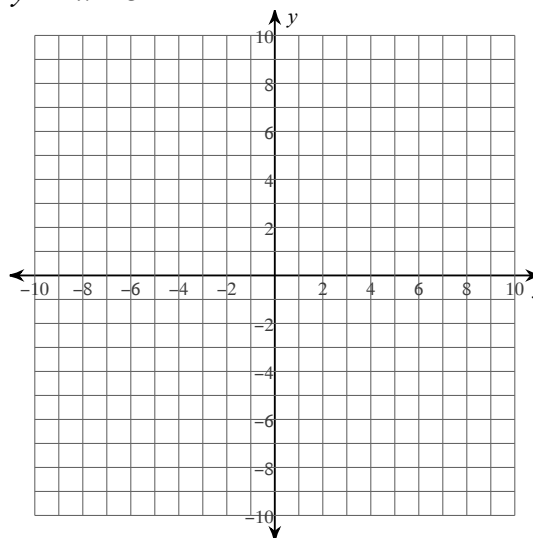
2) $y = 2x - 5$
 $y = x^2 - 4x - 5$



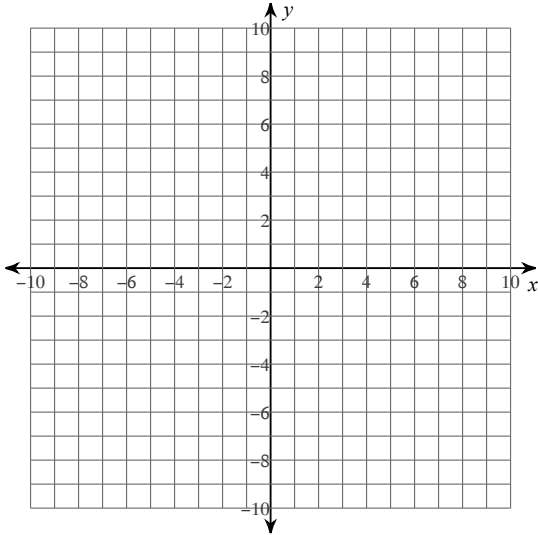
3) $y = -2x^2 - 5$
 $y = -5$



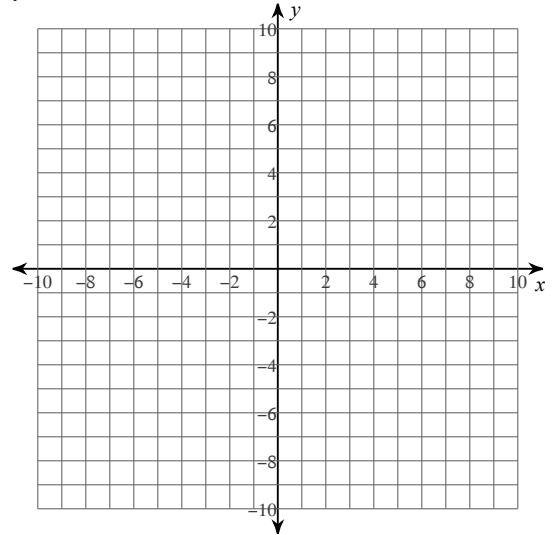
4) $y = -x^2 + 6x - 5$
 $y = 2x - 5$



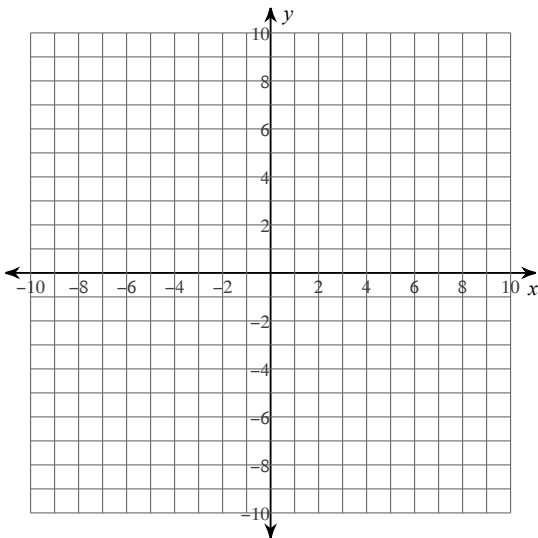
5) $y = -4x - 10$
 $y = x^2 - 4x - 1$



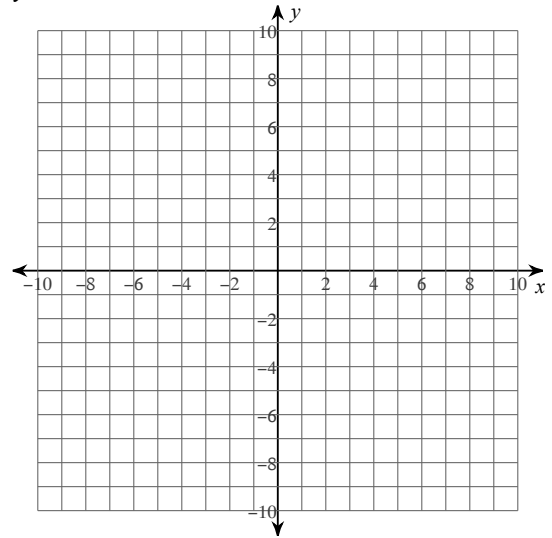
6) $y = -x^2 + 4x + 6$
 $y = -2x + 11$



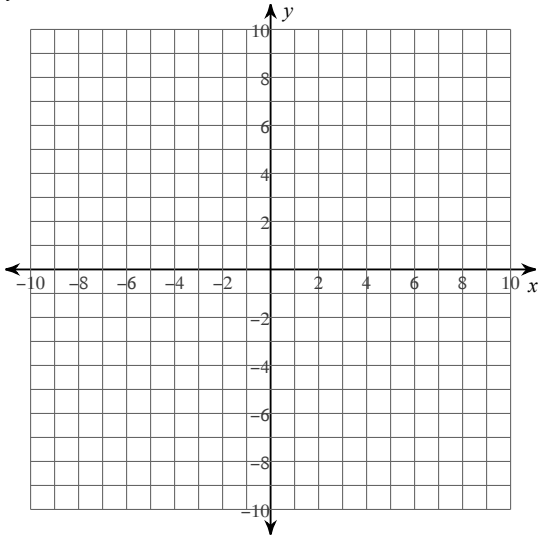
7) $y = x^2 + 2x - 6$
 $y = \frac{1}{2}x - 7$



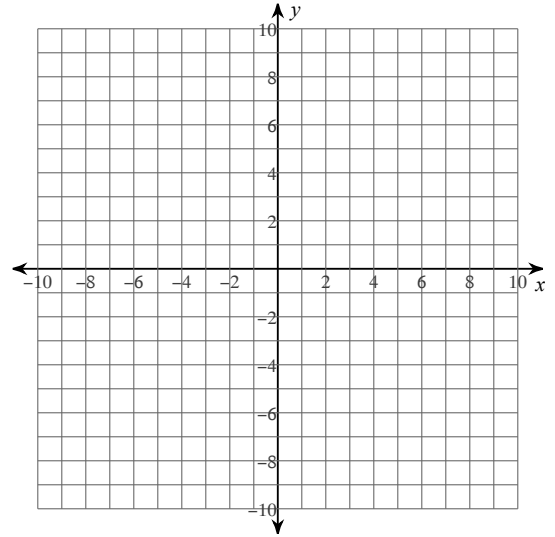
8) $y = -x + 7$
 $y = -x^2 + 6x - 3$



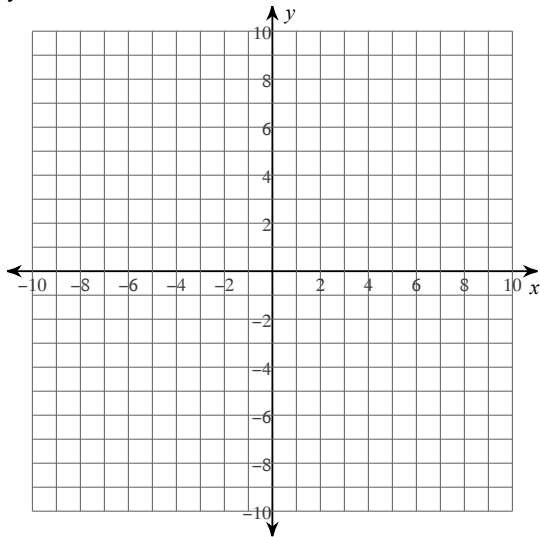
9) $y = x^2 + 4x - 5$
 $y = 2x + 3$



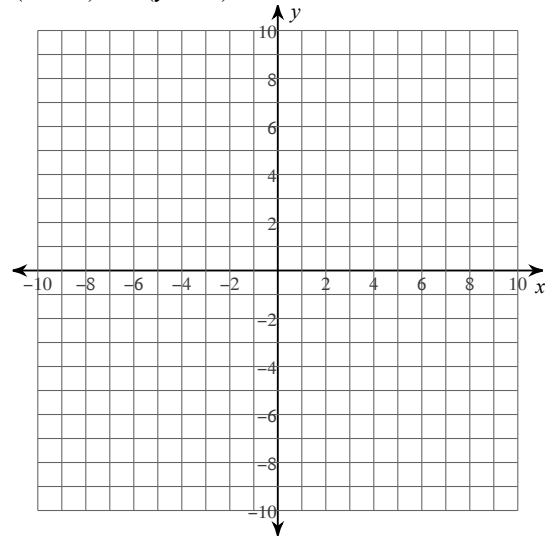
10) $y = x^2 + 8x + 14$
 $y = -2x^2 - 16x - 30$



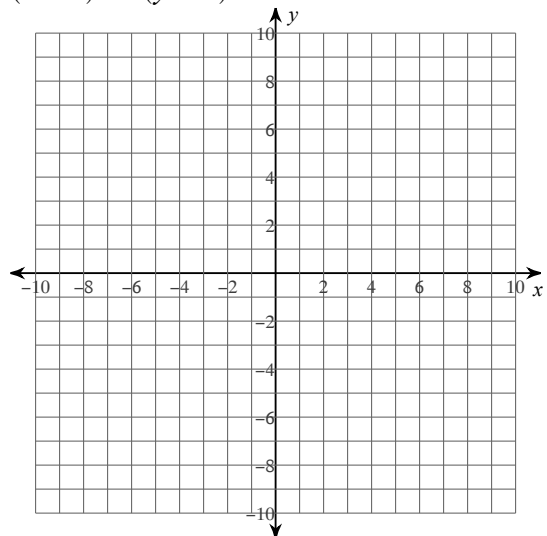
11) $y = x^2 - 8x - 14$
 $y = 3x^2 + 24x + 44$



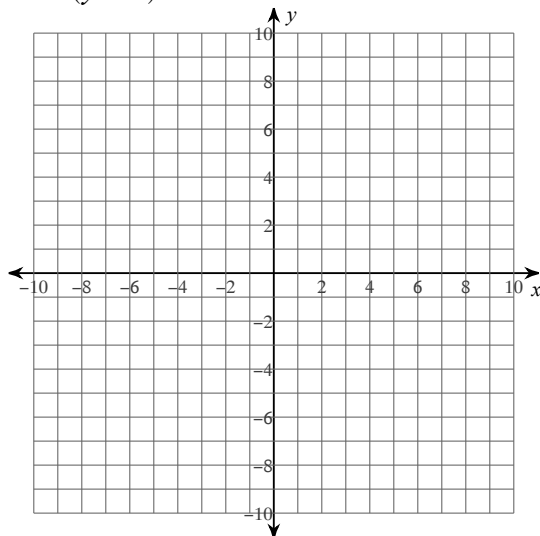
12) $y = -x + 1$
 $(x + 5)^2 + (y - 3)^2 = 9$



13) $y = 2x^2 - 8x + 4$
 $(x - 5)^2 + (y + 3)^2 = 4$



14) $y = -1$
 $x^2 + (y + 5)^2 = 16$



Use the information provided to write the standard form equation of each circle.

15) Center: $(-10, 12)$
 Radius: $\sqrt{33}$

16) Center: $(2, 4)$
 Radius: 9

17) Center: $(13, 5)$
 Radius: 4

18) Center: $(-10, -15)$
 Radius: 3