Secondary Math 2 Name_____

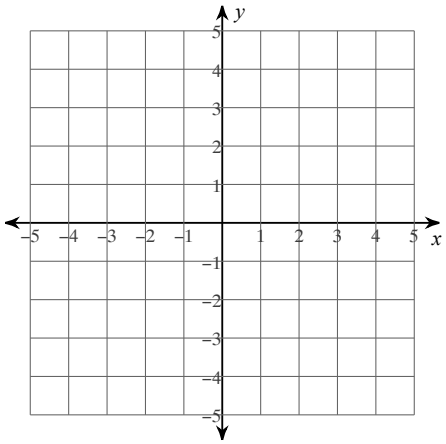
7.2 Solving Systems by Graphing

Date_____ Period____

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

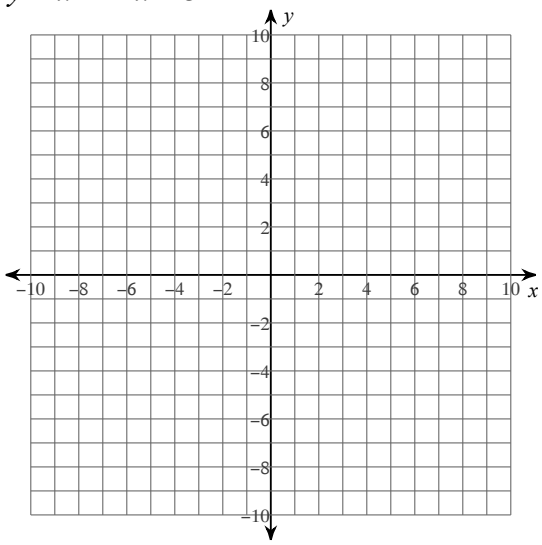
1) $y = \frac{1}{2}x + 1$

$y = 3x - 4$



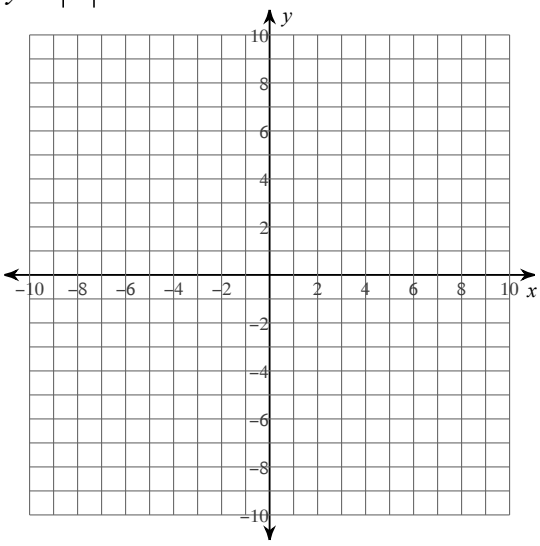
2) $y = 2x - 5$

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



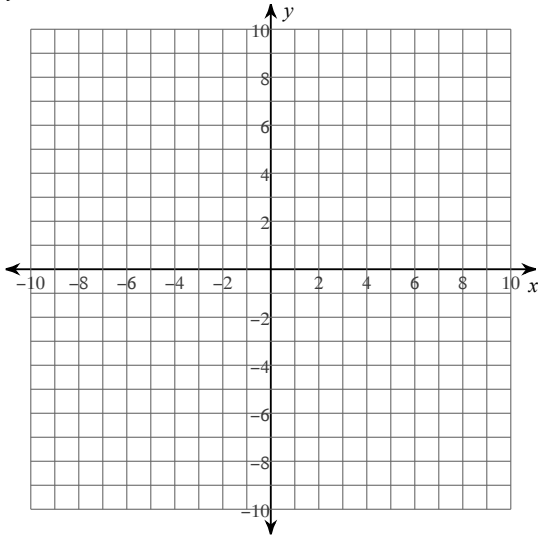
3) $y = -2x^2 - 5$

$y = |x| - 5$



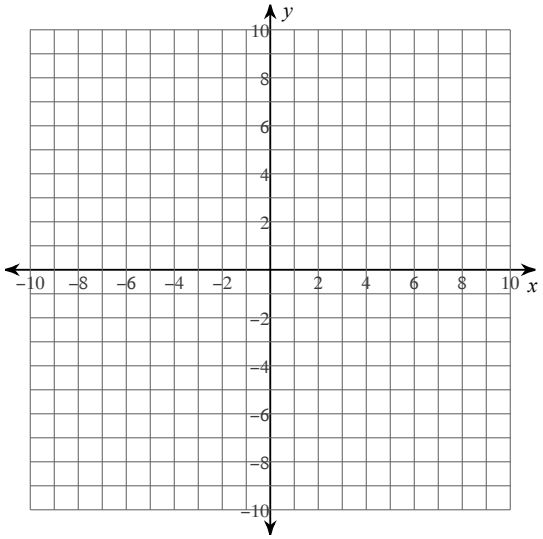
4) $y = -x^2 + 6x - 5$

$y = 2x - 5$



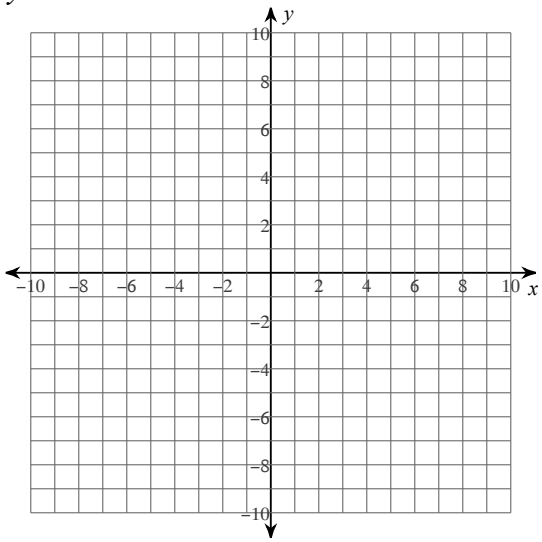
5) $y = -4x - 10$

$y = x^2 - 4x - 1$



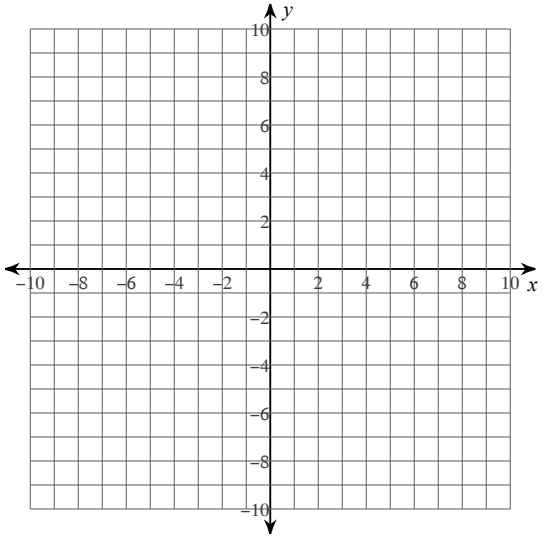
6) $y = -x^2 + 4x + 6$

$y = -2x + 11$



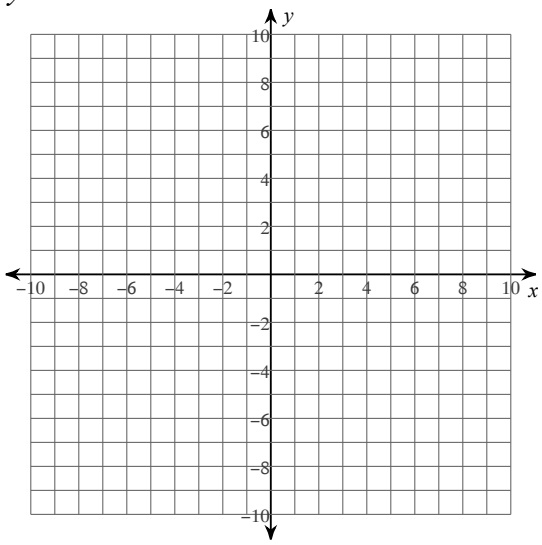
7) $y = x^2 + 2x - 6$

$y = \frac{1}{2}x - 7$



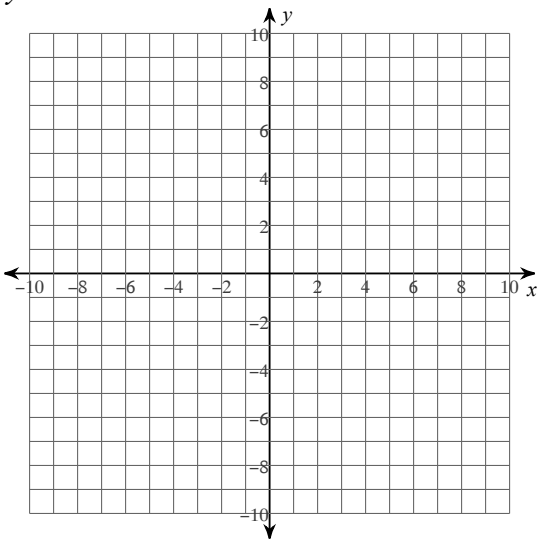
8) $y = -|x - 1| + 6$

$y = -x^2 + 6x - 3$

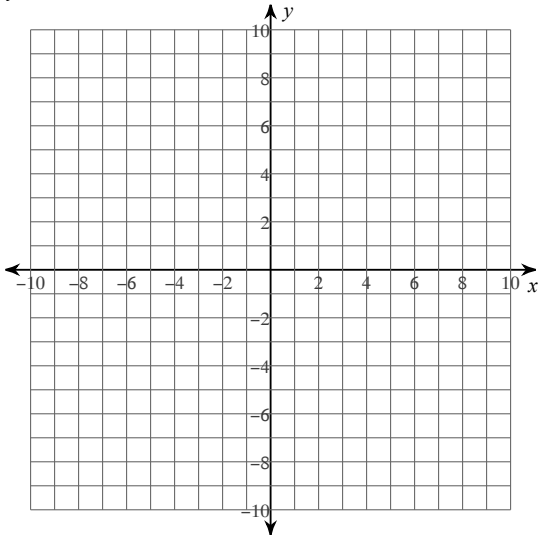


9) Sketch three possible systems that have 1 solution.

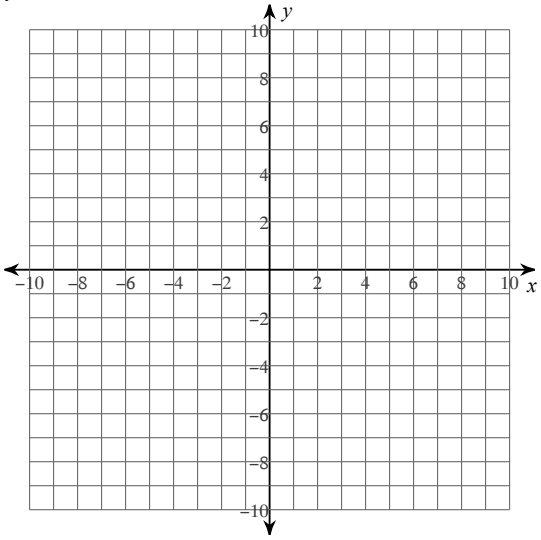
10) $y = x^2 + 4x - 5$
$y = 2x + 3$



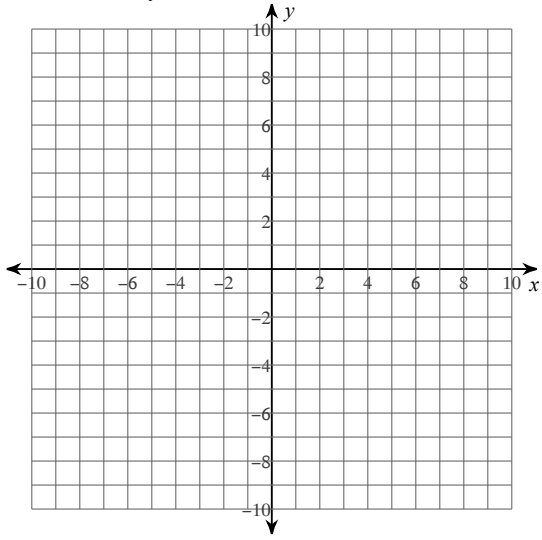
11) $y = x^2 + 8x + 14$
$y = -2x^2 - 16x - 30$



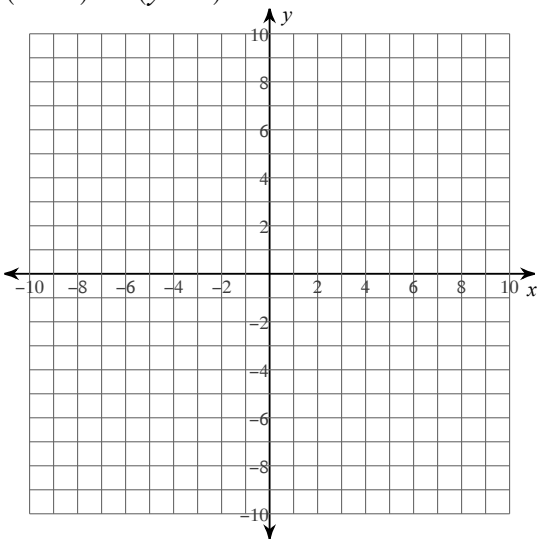
12) $y = -2(x + 2)^2 + 3$
$y = 3x(x - 2)$



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



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



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