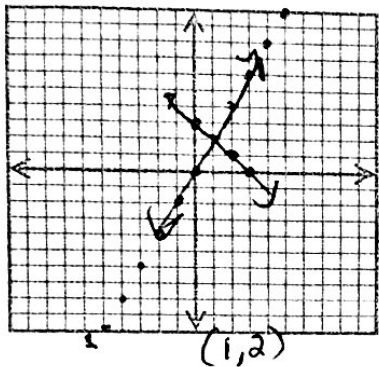


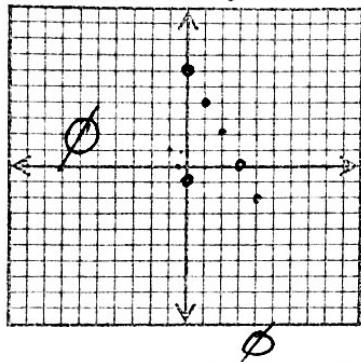
Solve each system by graphing or substitution. You must draw the graphs and label the solution or show all work.

1. $2x + y = 3$
 $x + y = 3$



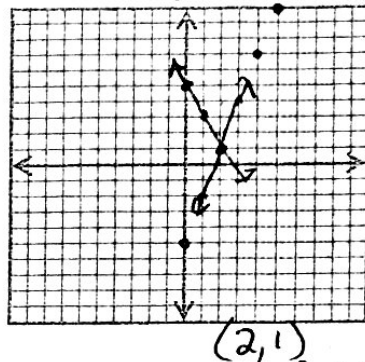
2. $2x + y = 6$
 $4x + 2y = -2$

$y = -2x + 6$
 $2y = -4x - 2$
 $y = -2x - 1$

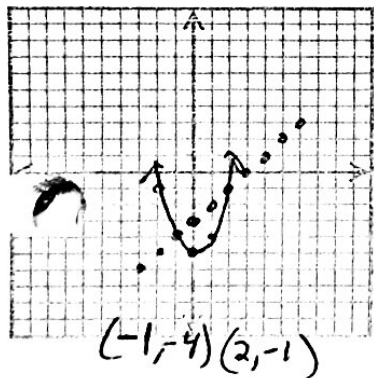


3. $4x + 2y = 10$
 $3x - y = 5$

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

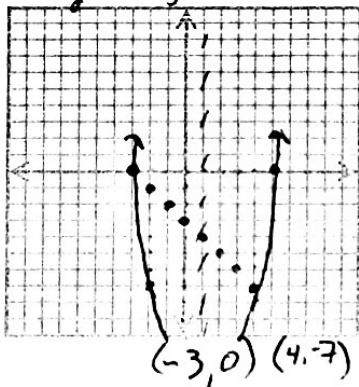


4. $y = x^2 - 5$
 $y = x - 3$



5. $y = x^2 - 2x - 15$
 $x + y = -3$

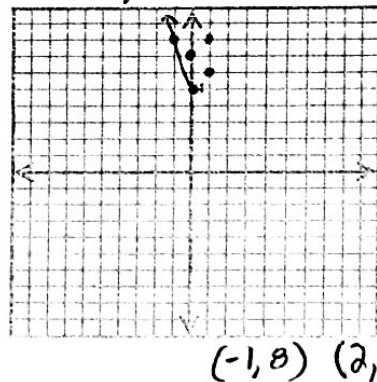
$y = (x-5)(x+3)$
 $y = -x - 3$



$$\begin{array}{r} 0 \\ 1 \\ 2 \\ 3 \\ 4 \end{array} \begin{array}{r} -15 \\ -16 \\ -15 \\ -12 \\ -7 \end{array}$$

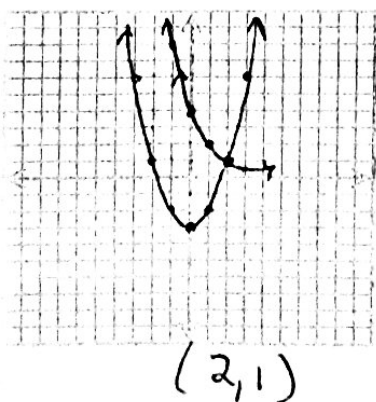
6. $2x^2 - x = y - 5$
 $y - x^2 = 7$

$y = 2x^2 - x + 5$
 $x = \frac{-b}{2a} = \frac{-(-1)}{2(2)} = \frac{1}{4}$

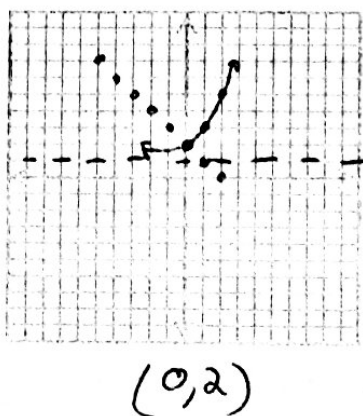


$$\begin{array}{r} x \\ -1 \\ 0 \\ 1 \\ 2 \end{array} \begin{array}{r} -15 \\ -16 \\ -15 \\ -12 \\ -7 \end{array}$$

7. $y = 4\left(\frac{1}{2}\right)^x$
 $y - x^2 = -3$



8. $y = 2^x + 1$
 $y = -x + 2$



9. $y = 5(3)^x$
 $x + y = 5$

