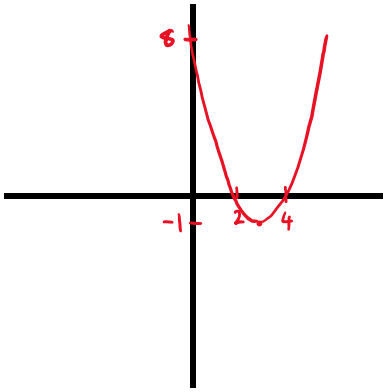
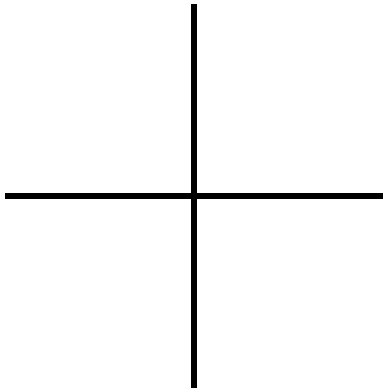
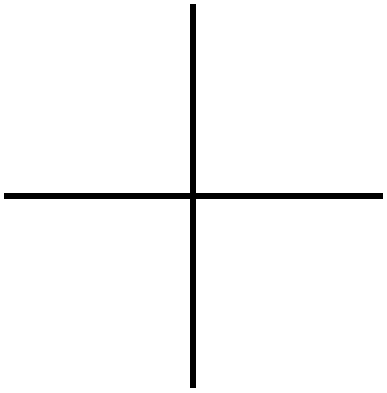
a)
Sketch the graph of $y = x^2 - 6x + 8$.

Where does the graph cross the y-axis?	The graph crosses the y-axis when $x = 0$. Substituting, when $x = 0$, $y = 0^2 - 6 \times 0 + 8 = 8$. The graph crosses the y-axis at (0, 8)
Where does the graph cross the x-axis?	The graph crosses the x-axis when $y = 0$. Solve $x^2 - 6x + 8 = 0$. $(x - 4)(x - 2) = 0$ $x = 4$ and $x = 2$. The graph crosses the x-axis at (4, 0) and (2, 0)
What are the coordinates of the turning point of the graph?	Complete the square for $x^2 - 6x + 8$. $(x - 3)^2 - 1$ The graph's turning point is at (3, -1)
What does the graph look like?	

b)
Sketch the graph of $y = x^2 - 2x - 3$.

Where does the graph cross the y-axis?	The graph crosses the y-axis when $x = 0$. Substituting, when $x = 0$, $y = 0^2 - 2 \times 0 - 3 = -3$. The graph crosses the y-axis at (0, -3)
Where does the graph cross the x-axis?	The graph crosses the x-axis when $y = 0$. Solve $x^2 - 2x - 3 = 0$. $(x - 3)(x + 1) = 0$ $x = 3$ and $x = -1$. The graph crosses the x-axis at (3, 0) and (-1, 0)
What are the coordinates of the turning point of the graph?	
What does the graph look like?	

c)
Sketch the graph of $y = x^2 + 4x - 5$.

Where does the graph cross the y-axis?	The graph crosses the y-axis when $x = 0$. Substituting, when $x = 0$, $y = 0^2 + 4 \times 0 - 5 = -5$. The graph crosses the y-axis at (0, -5)
Where does the graph cross the x-axis?	
What are the coordinates of the turning point of the graph?	
What does the graph look like?	

d)
Sketch the graph of $y = x^2 - 6x + 5$.