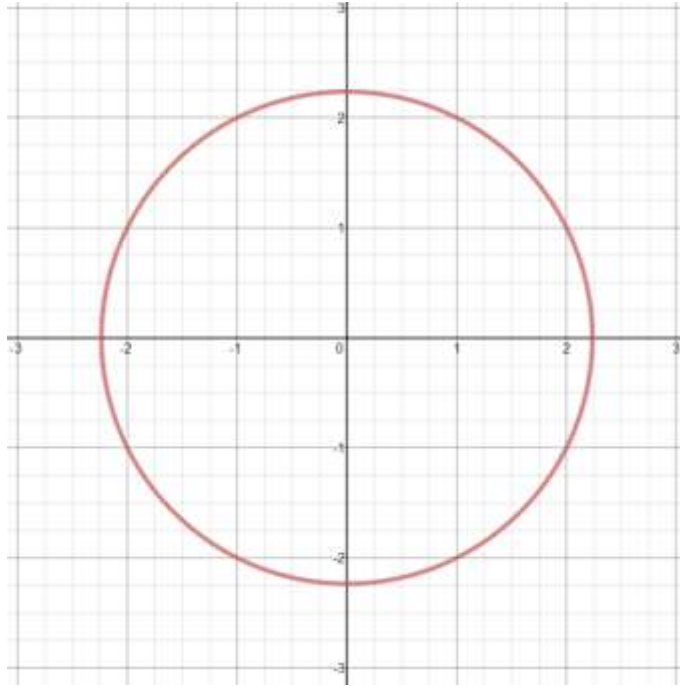# Simultaneous Equations with one Quadratic - graphically
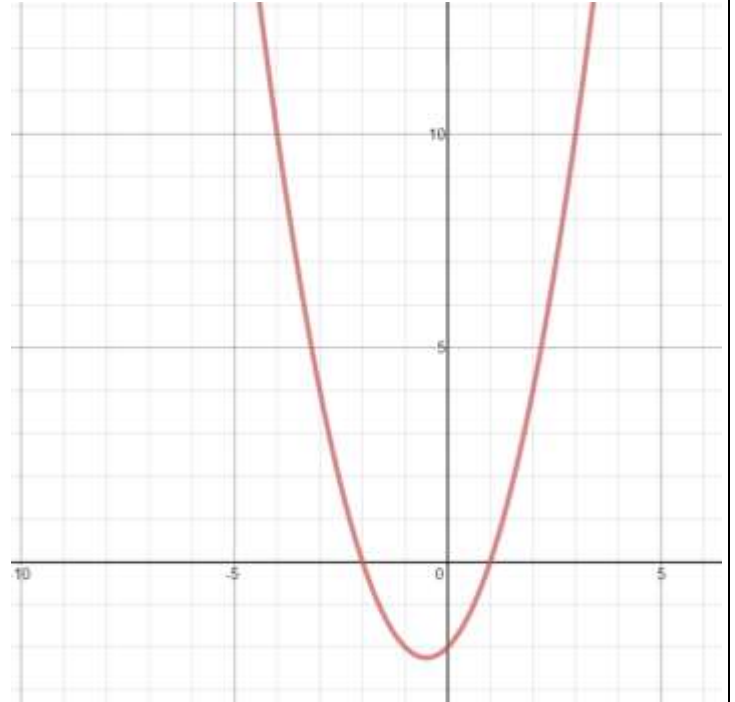
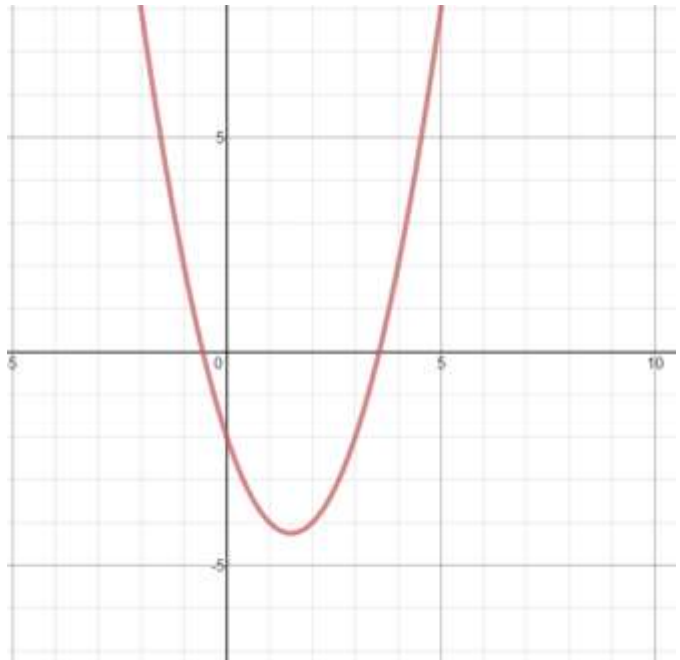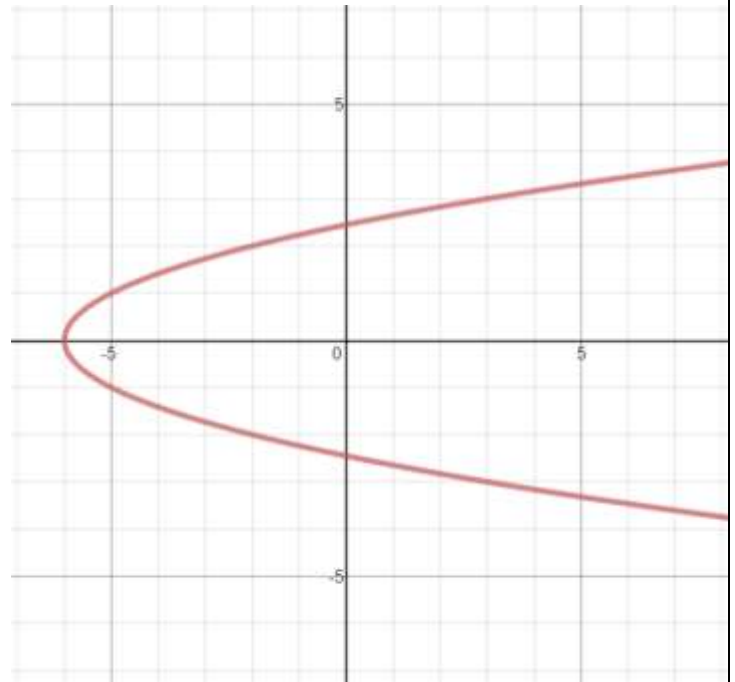|	
1. Here is the graph of $x^2 + y^2 = 5$ By drawing the line $x + y = 3$ find the solutions to the simultaneous equations $$x^2 + y^2 = 5$$ $$x + y = 3$$	2. Here is the graph of $y = x^2 + x - 2$ By drawing the line $y = 2x + 4$, find the solutions to the simultaneous equations $$y = x^2 + x - 2$$ $$y = 2x + 4$$
3. This is the graph of $y = x^2 - 3x - 2$ Use the graph to solve the simultaneous equations $$y = x^2 - 3x - 2$$ $$y = 2x - 6$$	4. This is the graph of $y^2 - x = 6$ Use the graph to solve the simultaneous equations $$y^2 - x = 6$$ $$y - x = 0$$