

Solve the following systems of equations. Round off your answers to the nearest tenth. Clearly show all the steps in your **algebraic** solutions. (5 marks each)

1. $y = -5x^2$

$$5x + \frac{5}{8}y - 2 = 0$$

2. $y = -x^2 - 2x - 9$

$$y = \frac{1}{2}x + 2.5$$