Answers - Solving Simultaneous Equations Graphically

1 a $x = 2, y = 5$

  b $x = 2, y = -3$

  c $x = -0.5, y = 2.5$

2 a $x = -2, y = 2$

  b $x = 0.5, y = 0.5$

  c $x = -1, y = -2$

3 a $x = 1, y = 0$ and $x = 4, y = 3$

  b $x = -2, y = 7$ and $x = 2, y = -5$

  c $x = -2, y = 5$ and $x = -1, y = 4$

4 $x = -3, y = 4$ and $x = 4, y = -3$

5 a i $x = 2.5, y = -2$ and $x = -0.5, y = 4$

    ii $x = 2.41, y = -1.83$ and $x = -0.41, y = 3.83$

  b Solving algebraically gives the more accurate solutions as the solutions from the graph are only estimates, based on the accuracy of your graph.