Practice worksheet | Functions and straight-line graphs

Distance and midpoint

Name: _____ Date: _____

6 questions | 12 marks

1. Find the distance between (1,2) and (4,6). [2 marks]

2. Find the exact distance between (-1,3) and (4,5). [2 marks]

3. Find the midpoint of (-5,-2) and (3,8). [2 marks]

4. A segment has endpoint (2,7) and midpoint (-1,4). Find its other endpoint. [2 marks]

5. Show that the triangle with vertices (0,0), (4,0) and (2,3) is isosceles. [2 marks]

6. A map uses kilometres on both axes. Two stations are at (-3,2) and (5,-4). Find their straight-line separation and explain why this may not be the road distance. [2 marks]