Practice worksheet | Linear equations and graphs

Midpoint

Name: _____ Date: _____

6 questions | 14 marks

1. Find the midpoint of $(2, 4)$ and $(8, 10)$. [2 marks]

2. Find the midpoint of $(-6, 3)$ and $(2, -5)$. [2 marks]

3. Find the midpoint of $(-1, -4)$ and $(4, 5)$. [2 marks]

4. One endpoint is $(1, 6)$ and the midpoint is $(4, 2)$. Find the other endpoint. [3 marks]

5. The endpoints of a diameter are $(-4, 1)$ and $(8, 5)$. Find the circle's centre. [2 marks]

6. A student says the midpoint of $(2, 1)$ and $(10, 7)$ is $(6, 4)$. Verify this using coordinate differences. [3 marks]