Practice worksheet | Linear equations and graphs

# Distance between points using Pythagoras

Name: _____ Date: _____

6 questions | 16 marks

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

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

**3.** Find the exact distance between $(0, 1)$ and $(3, 5)$. [2 marks]

**4.** Find the exact distance between $(2, -1)$ and $(7, 1)$, then round it to 1 decimal place. [3 marks]

**5.** A map grid uses 100 m per coordinate unit. A gate is at $(1, 1)$ and a shelter at $(4, 5)$. Find their straight-line separation. [3 marks]

**6.** Points $A(-2, 3)$, $B(4, 3)$ and $C(4, -5)$ form a triangle. Find its perimeter. [4 marks]