**Midpoint of a Line**

**Silver**

Calculate the midpoint of the line segments joining the two points below.

1. (3, 6) and (5, 10)
2. b) (0, 1) and (4, 3)

c) (-3, 2) and (3, 2)

d) (-8, -7) and (4, 9)

**Gold**

1. The midpoint of the line segment AB is at (3.5, 2.5). The coordinates of A are (2, 5). Work out the coordinates of B.
2. The coordinates (2, -1), (12, -1), (12, 9), (2, 9) are joined up to form a square. Find the centre of the square.