4.13 Coordinates and Line Geometry: 10-minute Pack

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Work out the gradient of the straight line through (-1, 11) and (1, 1).

(2)

2 Write down the equation of (a) the horizontal line and (b) the vertical line that pass through the point (2, 9).

(2)

3 Work out the distance between (1, 0) and (9, 5). Give your answer correct to 1 decimal place.

(3)

4 Find the coordinates of the points where the line y = 5x - 5 crosses (a) the y-axis (b) the x-axis.

(2)

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Mark scheme · 4.13 Coordinates and Line Geometry: 10-minute Pack

Question 1

(1 - (11))/(1 - (-1)) or equivalent	**M1**
-5 cao	**A1**

Answer: **-5**

Question 2

(a) y = 9	**B1**
(b) x = 2	**B1**

Answer: **(a) y = 9, (b) x = 2**

Question 3

$8^2 + 5^2 = 89$	**M1**
$\sqrt{89}$	**M1**
9.4 cao	**A1**

Answer: **9.4**

Question 4

(a) (0, -5)	**B1**
(b) (1, 0)	**B1**

Answer: **(a) (0, -5), (b) (1, 0)**

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