Name - _ _ _ _ _ _ _ _

Start time - _ _ : _ _

End time - _ _ : _ _

Calculate coordinate gradient.

1. Calculate the gradient of the line joining A (-3, 5) and B (7, 5).

   The line in part a is horizontal. Which axis is it parallel to?

   How could you have known from the coordinates that the line in

   a is horizontal?

2. Calculate the gradient of the line joining C (5, 4) and D (5, 7).

   The line in part a is vertical, its gradient is undefined. Which axis

   is it parallel to?

   How could you have known from the coordinates that the line is a

   is vertical?

3. Given two points (x_1, y_1) and (x_2, y_2), find the gradient of the line

   passing through these points.

4. Calculate the gradient of the line represented by the equation:

   $y = 3x - 2$.

5. Plot the points (2, 5) and (4, 11) on a coordinate system and draw

   the line passing through these points. Calculate the gradient of

   the line.

6. A car travels from point A to point B, covering a distance of 120

   km in 2 hours. Calculate the average speed of the car, and

   interpret this as a gradient.

1   2   3   4   5   6   7   8   9