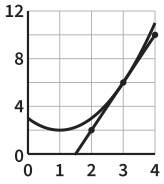
Gradient of a curve

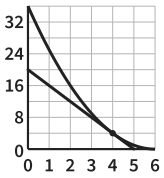
Exit ticket Name _____

1 The tangent at $x = 3$ is drawn. Find the gradient of the curve at $x = 3$.



2 On a distance (m) against time (s) graph, the tangent at 3 s goes through (1, 2) and (5, 26). Find the speed at 3 s.

3 The graph shows the depth of water in a tank, in cm, after t minutes. Find how fast the depth is falling at 4 minutes.

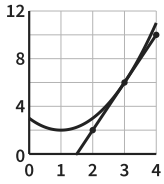


The Maths Habit

Gradient of a curve

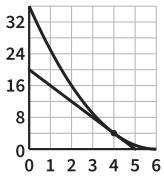
Exit ticket Name _____

1 The tangent at $x = 3$ is drawn. Find the gradient of the curve at $x = 3$.



2 On a distance (m) against time (s) graph, the tangent at 3 s goes through (1, 2) and (5, 26). Find the speed at 3 s.

3 The graph shows the depth of water in a tank, in cm, after t minutes. Find how fast the depth is falling at 4 minutes.

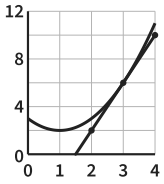


The Maths Habit

Gradient of a curve

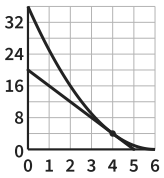
Exit ticket Name _____

1 The tangent at $x = 3$ is drawn. Find the gradient of the curve at $x = 3$.



2 On a distance (m) against time (s) graph, the tangent at 3 s goes through (1, 2) and (5, 26). Find the speed at 3 s.

3 The graph shows the depth of water in a tank, in cm, after t minutes. Find how fast the depth is falling at 4 minutes.

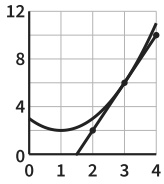


The Maths Habit

Gradient of a curve

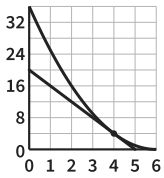
Exit ticket Name _____

1 The tangent at $x = 3$ is drawn. Find the gradient of the curve at $x = 3$.



2 On a distance (m) against time (s) graph, the tangent at 3 s goes through (1, 2) and (5, 26). Find the speed at 3 s.

3 The graph shows the depth of water in a tank, in cm, after t minutes. Find how fast the depth is falling at 4 minutes.

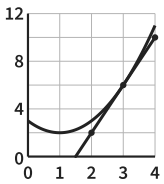


The Maths Habit

Gradient of a curve

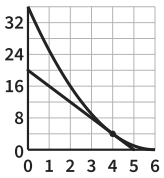
Exit ticket Name _____

1 The tangent at $x = 3$ is drawn. Find the gradient of the curve at $x = 3$.



2 On a distance (m) against time (s) graph, the tangent at 3 s goes through (1, 2) and (5, 26). Find the speed at 3 s.

3 The graph shows the depth of water in a tank, in cm, after t minutes. Find how fast the depth is falling at 4 minutes.

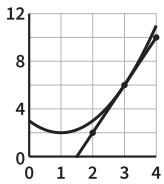


The Maths Habit

Gradient of a curve

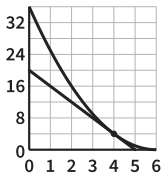
Exit ticket Name _____

1 The tangent at $x = 3$ is drawn. Find the gradient of the curve at $x = 3$.



2 On a distance (m) against time (s) graph, the tangent at 3 s goes through (1, 2) and (5, 26). Find the speed at 3 s.

3 The graph shows the depth of water in a tank, in cm, after t minutes. Find how fast the depth is falling at 4 minutes.



The Maths Habit