

2 The derivative as a slope — Part 1

— Answers

Answers

Work through these after you have tried the questions yourself.

2.1 it gives the slope (steepness) of the curve at each point.

2.2 a secant joins two points on the curve (giving an average rate of change); a tangent touches at one point (giving the slope there).

2.3 $f'(x)$ and $\frac{dy}{dx}$.

2.4 3 (a straight line has the same slope everywhere).

2.5 its velocity (how fast its position is changing).