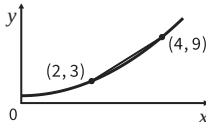
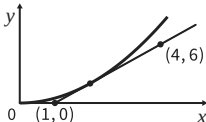
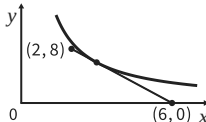
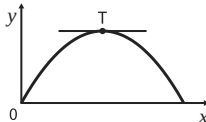
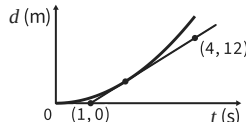
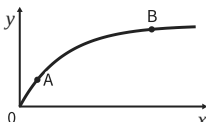
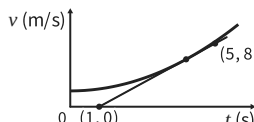
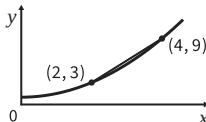
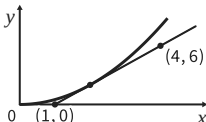
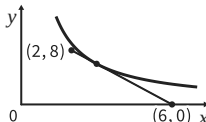
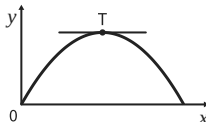
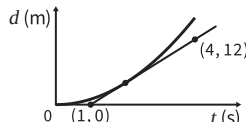
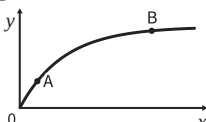
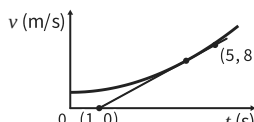


a $y = x^2$. Find the average rate of change from $x = 1$ to $x = 3$ 4 the gradient of a chord	b Find the chord's gradient  3 a chord read from a graph	c $y = 20 - x^2$. Find the average rate of change from $x = 1$ to $x = 3$ -4 a negative average rate	d $y = x^3$. Find the average rate of change from $x = -1$ to $x = 2$ 3 a chord from a negative x
e Find the tangent's gradient  2 the gradient of a tangent	f Find the tangent's gradient  -2 a tangent that falls	g Find the gradient at T  0 a turning point: gradient 0	h Find the speed at $t = 2$  4 m/s speed from a tangent, with units
i Is the rate greater at A or B?  A the rate is steepness, not height	j Find the acceleration at $t = 4$  2 m/s² acceleration from a velocity curve	k $y = x^2$. Find the average rate of change from $x = 3$ to $x = 3.1$ 6.1 a narrow chord close to a point	l $y = \frac{1}{x}$. Find the average rate of change from $x = 1$ to $x = 4$ -0.25 an average rate on a reciprocal curve

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