**Stationary Points**

(a) Find the gradient of the curve

at the point

(b) Find the gradient of the curve

at the point

(c) Find the gradient of the curve

at the point

(a) Find the coordinates of the minimum point on the curve

(b) Find the coordinates of the minimum point on the curve

(c) Find the coordinates of the maximum point on the curve

(d) Find the coordinates of the maximum point on the curve

(a) Find the coordinates of the stationary points on the curve . By sketching the graph, determine whether each point is a minimum point or a maximum point.

(b) Find the coordinates of the stationary point on the curve . Is this point a minimum point or a maximum point?

(a) The curve with equation

has a stationary point at . Find the values of and .

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