Differentiating Multiple Terms

Example

Differentiate

Questions

1. 2.

3. 4. (a is a constant)

5. (p is a constant)

Harder Example

Let

1. Find the gradient of at the point
2. Find the coordinates of the point on the graph of where the gradient is 8.
3. Find the gradient of at the points where the curve meets the line .

Test Your Understanding

Let

1. Find the gradient of at the point
2. Find the coordinates of the point on the graph of where the gradient is 5.
3. Find the gradient of at the points where the curve meets the line .

Ex 12C/D page265