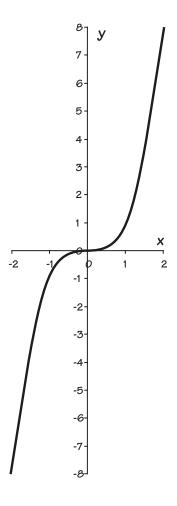
GRADIENTS OF LINES AND CURVES 1 STUDENT RESOURCE

Cubic graphs

- Look at this graph of $y = x^3$.
- Investigate the gradient of the curve in the same way as for the quadratic graph.
- Describe what happens to the gradient of the curve as x increases. Compare what happens for $y = x^3$ with what happens for $y = x^2$.
- What happens for graphs of the form $y = x^3 + c$?



STUDENT RESOURCE 7—Differentiation