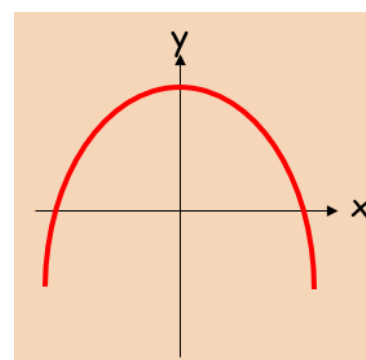
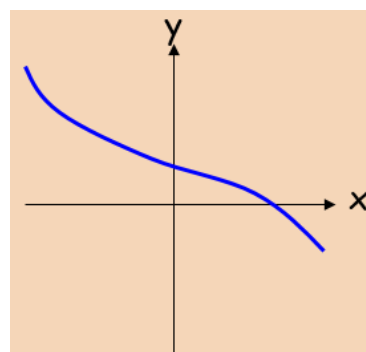
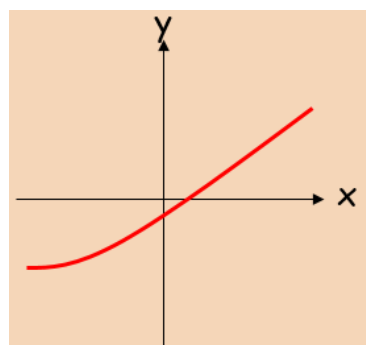


12G Increasing & Decreasing Functions



1. Show that the function ;

$$f(x) = x^3 + 24x + 3$$

is an increasing function.

2. Find the range of values where:

$$f(x) = x^3 + 3x^2 - 9x$$

is a decreasing function.