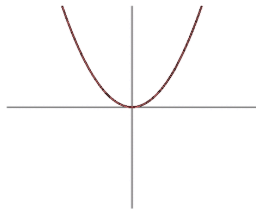
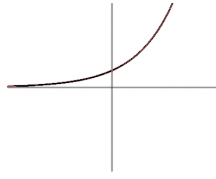




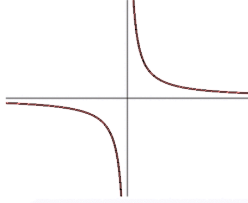
Graph A



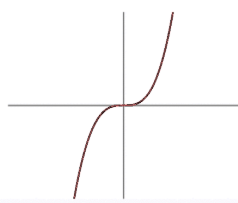
Graph B



Graph C



Graph D



$y = x^2$ is graph **A**

$y = x^3$ is graph

$y = 2^x$ is graph

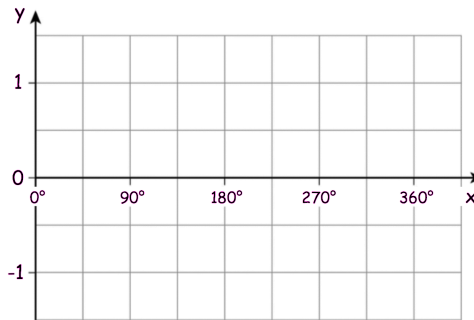
$y = \frac{1}{x}$ is graph

For all the values of x

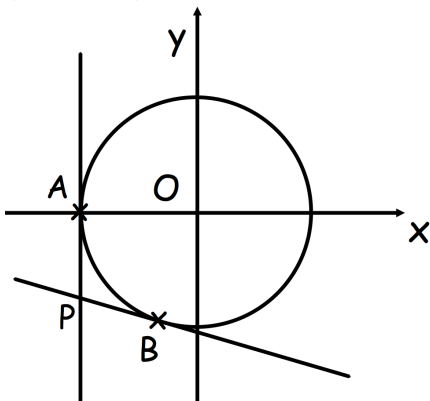
$f(x) = x - 180$

$g(x) = \cos x$

Draw the graph of the function $y = gf(x)$ for $0^\circ \leq x \leq 360^\circ$



The circle $x^2 + y^2 = 289$ has tangents at points A and B.
 The point A has coordinates $(-17, 0)$
 The point B has coordinates $(-8, -15)$



The tangents meet at the point P.

Work out the equation of the tangent at B.

Work out the coordinates of the point P.