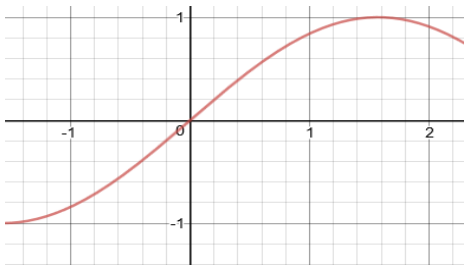


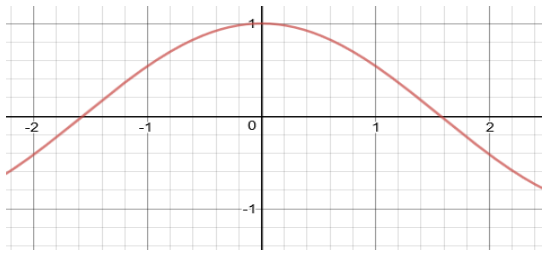
Given that $f(x) = 2x + 1$

Calculate $f^{-1}(x)$

Write the equation of the line below

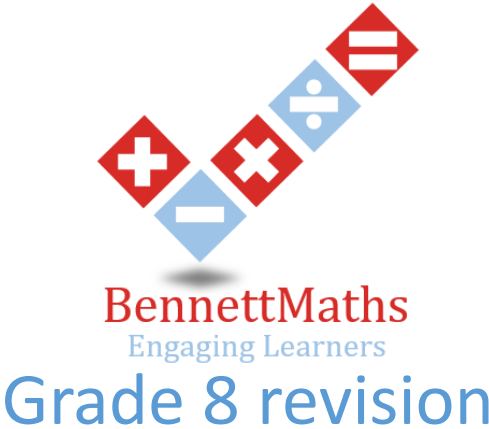


The graph below shows $y = \cos x$. Sketch the graph $y = -\cos x$

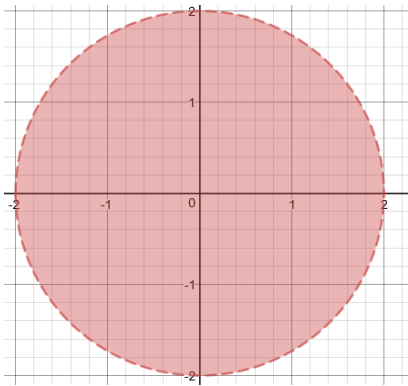


(a) Write the equation of a circle, with centre $(0,0)$ and radius 5

(b) Write the equation of a circle, with centre $(0,0)$ and diameter 8

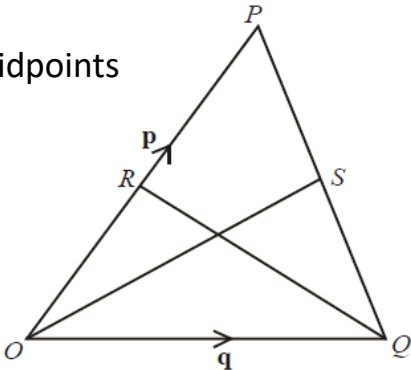


Write the equation for the circle below



Show that RS is parallel to OQ

R and S are midpoints



Write $(3 - \sqrt{3})^2$ in the form $a + b\sqrt{3}$

Work out

$$\frac{(5 + \sqrt{3})(5 - \sqrt{3})}{\sqrt{22}}$$