Given that

$f(x) = x^2 + 1$

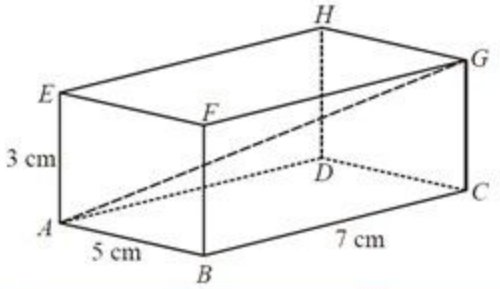
$g(x) = 3x + 5$

Calculate $fg(x)$

Solve for x

$$\frac{x^2 - 49}{x^2 + 8x + 7} \times \frac{x^2 - 1}{2x^2 - 13x - 7} = 2$$

If each side is enlarged by a scale factor of 2.5. Calculate the volume of the shape.



$$x_{n+1} = 4 + \frac{2}{x_n}$$

Using a starting value of $x_n = 2$

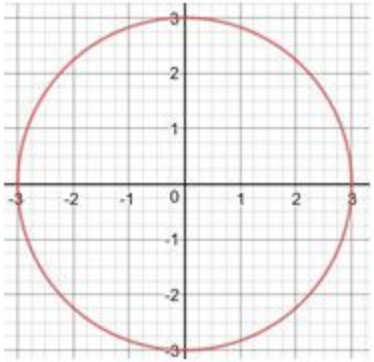
Calculate the value of x_2

BennettMaths

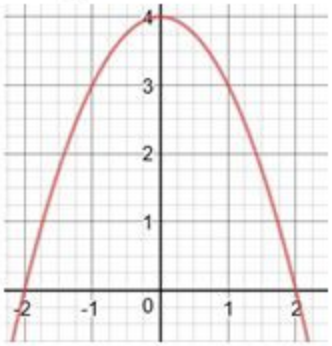
Engaging Learners

Grade 9 revision

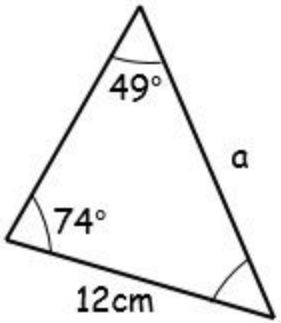
Write the equation of the tangent to the circle at (3,0)



Calculate the area under the curve and above y>0



Use the sine rule to find the value of a



Use the cosine rule to find the value of a