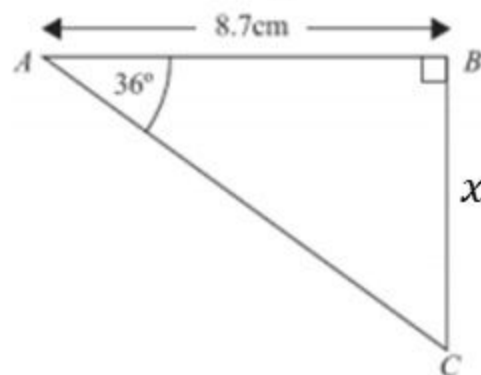


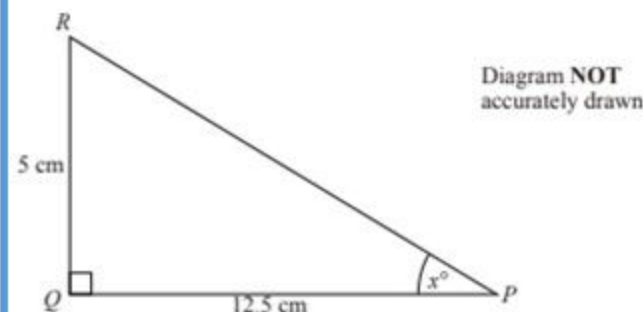
(a) Write $x^2 - 8x - 2 = 0$ in the form $(x + a)^2 + b = 0$

(b) Hence solve $x^2 - 8x - 2 = 0$

Calculate the length of x



Calculate the size of angle x

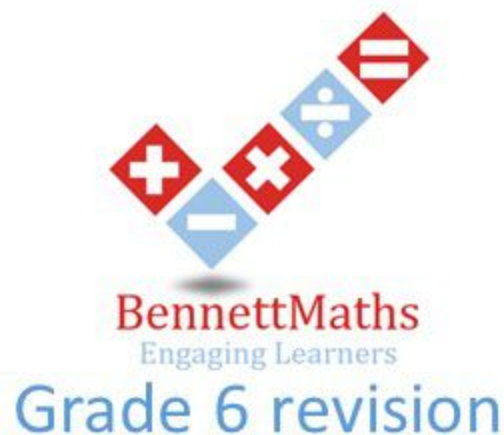


Calculate;

(a) $125^{\frac{2}{3}}$

(b) 3^{-3}

(c) 12^0



Prove that the sum of 2 consecutive numbers is always odd

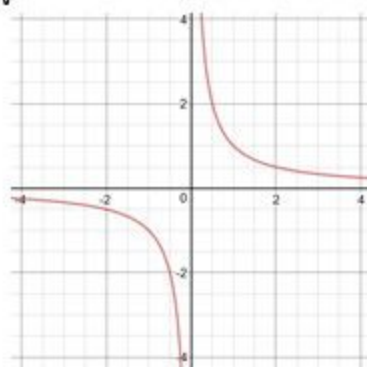
Prove that the product of two consecutive even numbers is always even.

Solve;

$$2x + 3y = 23$$

$$4x + 5y = 41$$

Write the equation for the graph below



Calculate the n th term for each of the sequences below;

(a) 1, 4, 9, 16, 25

(b) 6, 9, 14, 21, 30

(c) 12, 18, 28, 42, 60