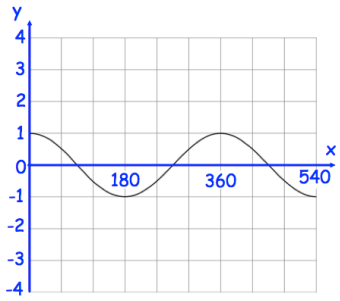
Name: _____ 5-a-day Higher Plus

22nd April

Corbettmaths



Write down the equation of the graph shown

The width of a rectangle is equal to the length of each side of a square. The length of the rectangle is 6cm less than 4 times its width.

The area of the square is 504cm² less than the area of the rectangle

Find the perimeter of the rectangle.

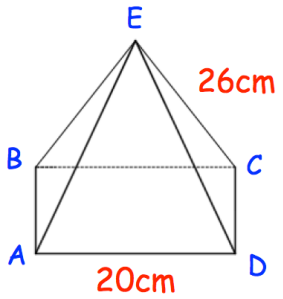
Write

$$\frac{6}{\frac{1}{\sqrt{2}}+\sqrt{2}}$$

in the form a√2, where a is an integer

Find the value of

$$\left(\frac{125}{216}\right)^{-\frac{4}{3}}$$



Shown is a square based pyramid
Find the angle between the face ABE and the base ABCD