

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.

Find the perimeter of the rectangle.

The area of the square is  $504\text{cm}^2$  less than the area of the rectangle

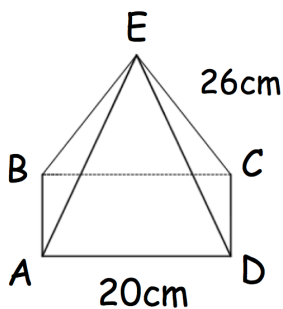
Write

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

in the form  $a\sqrt{2}$ , 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