



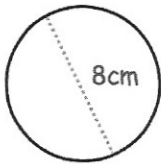
Expand and simplify

$$(x+5)^2 \quad (x+5)(x+5)$$

$$x^2 + 5x + 5x + 25$$

$$x^2 + 10x + 25$$

$$x^2 + 10x + 25$$



Calculate the area of the circle.  
Leave your answer in terms of  $\pi$

$$\pi \times 4^2$$

$$16\pi \text{ cm}^2$$

The cost of a table is £  $x$   
A TV costs £15 more than a table.  
The total cost of a table and a TV is  
£335.

Find the cost of a TV.

$$£175$$

$$x + x + 15 = 335$$

$$2x + 15 = 335$$

$$2x = 320$$

$$x = 160$$

The line L has gradient 7 and passes  
through the point (0, 2).

Write down the equation of the line L.

$$y = 7x + 2$$

Write down the equation of a line  
parallel to L.

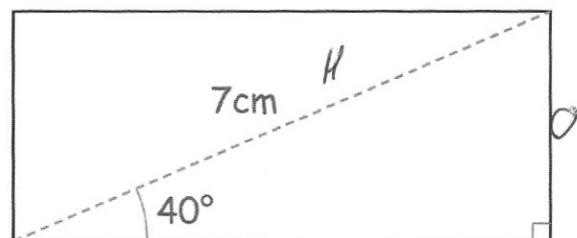
$$y = 7x + 9$$

Work out the area of the rectangle.  
Give your answer to 1 decimal place.

$$\sin(40) \times 7 = 4.4995\dots$$

$$7^2 - 4.4995\dots^2 = 28.75\dots$$

$$\sqrt{28.75\dots} = 5.36\dots$$



$$4.4995\dots \times 5.36\dots = 24.1 \text{ cm}^2$$