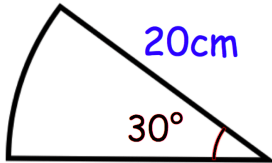




Simplify

$$\frac{2a + 12}{a^2 - 36}$$



$$\frac{30}{360} \times \pi \times 20 = 5.236cm$$

Tom is calculating the perimeter of the sector.

Can you spot any mistakes?

There are red, green, pink and white counters in a box.  
 There are an equal number of red and white counters.  
 There are ten times more green than white counters.  
 There are twice as many red than pink counters.

Jim takes a counter at random from the box.  
 Work out the probability than Jim takes a green counter.

A cylinder has radius  $y$  cm and height  $2y$ .

Write an expression for the volume of the cylinder.