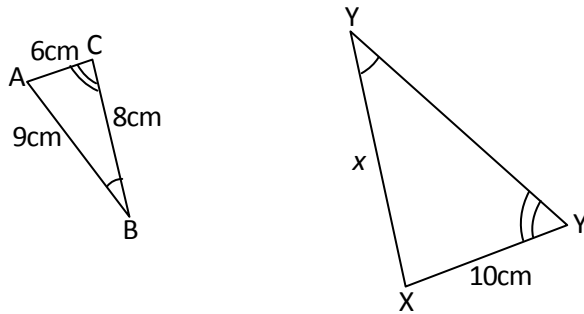


## YEAR 9 MATHS, TEST 4

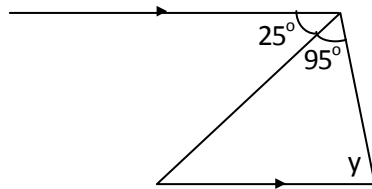
1. How many edges do we have in a rectangular pyramid?
2. If  $x$  varies inversely as  $y$  and  $x = 10$  when  $y = 15$ , find the value of  $y$  when  $x = 25$ .
3. A man who is 2m tall is looking at the top of a pole at an angle of elevation of  $45^\circ$ . If the man is 10m away from the foot of the pole, calculate the length of the pole.
4. A palm wine tapper on palm tree is 5m above the ground level and a well digger in a well is 3m below the ground level. What is the distance between the two men?
5. A shirt is tagged ₦520.00 in a store. If 10% is given off as a discount, how much is paid for the shirt?
6. What number does the Roman Numeral MCXII represent?
7. Find the missing number:

$$\frac{5ab}{12a} = \frac{\quad}{12}$$

8. Calculate the value of  $x$  in the diagram below.



9. Calculate the value of  $y$  from the diagram below.



10. Calculate the value of  $x$  in the diagram below.

