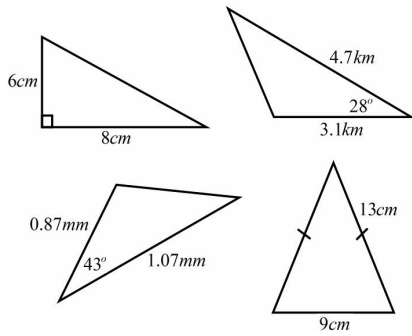
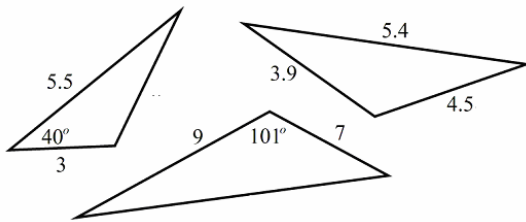


**Area of a Triangle**  $\left(\frac{1}{2}ab \sin C\right)$  www.m4ths.com

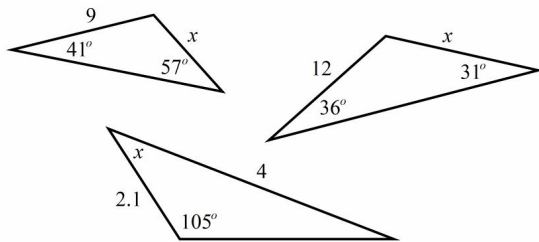
(1) Find the area of each triangle giving your answers to 1 decimal place where appropriate.



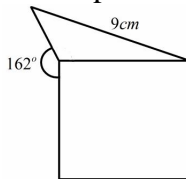
(2) Find the area of each triangle below giving your answer to 1 decimal place. Be careful with one of them! (Hint.....Cosine...)



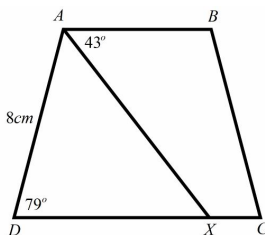
(3) Find the area of each triangle below giving your answer to 1 decimal place. You may need to do some work on them first!



(4) The diagram below shows a square with a triangle attached to one side. The triangle and the square share one side length. Given that the area of the square is  $49cm^2$ , find the area of the triangle as a percentage of the area of the square. Round your answer to the nearest one percent.



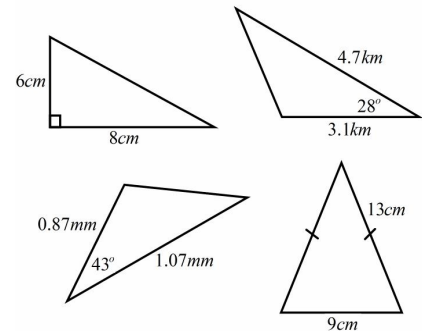
(5) Below is a picture of the isosceles trapezium  $ABCD$ . The line  $BX$  is perpendicular to the line  $DC$ ,  $\angle BAX = 43^\circ$  and  $\angle ADX = 79^\circ$ .



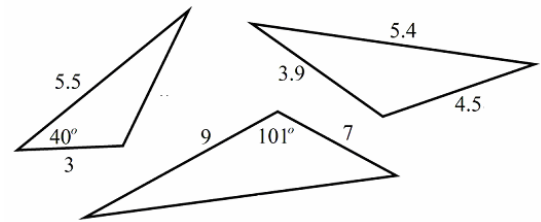
- Find the length of the line  $AX$ .
- Find the area of  $\triangle ADX$
- Find the area of the quadrilateral

**Area of a Triangle**  $\left(\frac{1}{2}ab \sin C\right)$  www.m4ths.com

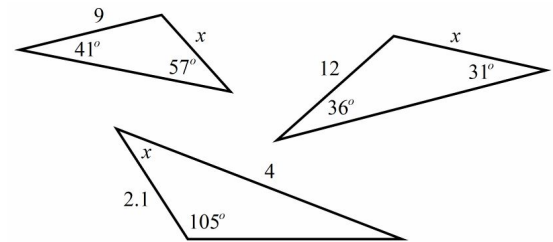
(1) Find the area of each triangle giving your answers to 1 decimal place where appropriate.



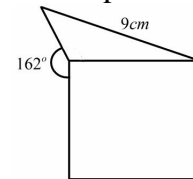
(2) Find the area of each triangle below giving your answer to 1 decimal place. Be careful with one of them! (Hint.....Cosine...)



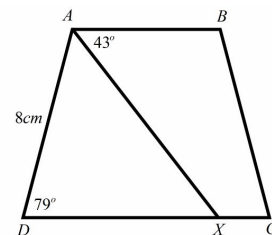
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