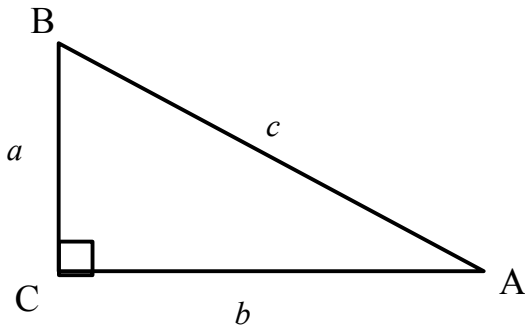
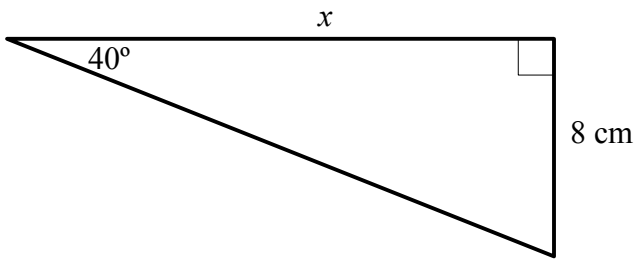


1. Write the fraction representing each trig ratio using the side lengths a, b and c

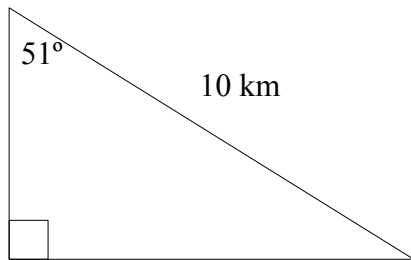


$\sin \angle A = \frac{a}{c}$	$\cos \angle A =$	$\tan \angle A =$
$\sin \angle B =$	$\cos \angle B =$	$\tan \angle B =$

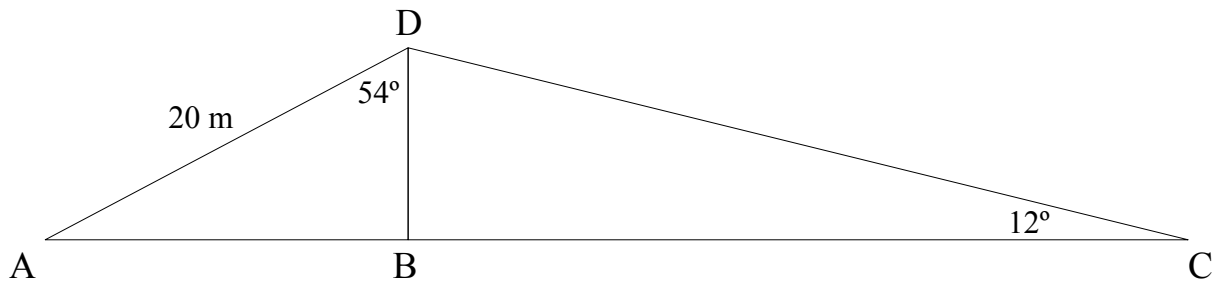
2. Determine the length of side x



3. What is the perimeter of the following triangle?



4. Determine the length from A to C



5. The angle of depression from the top of a lighthouse to a ship heading straight towards it is 10° , 20 minutes later the angle of depression is 30° . How fast is the ship moving in km/hour? The lighthouse is 26 meters above sea level.