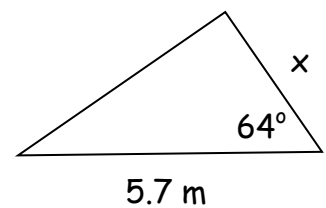
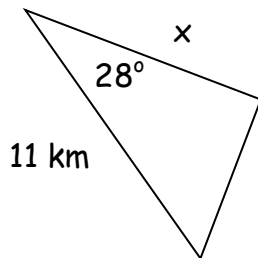
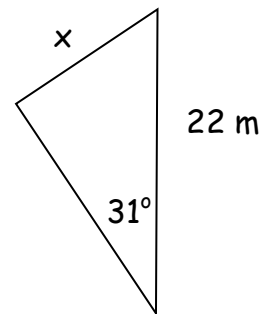
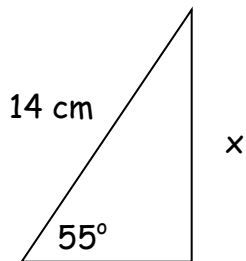


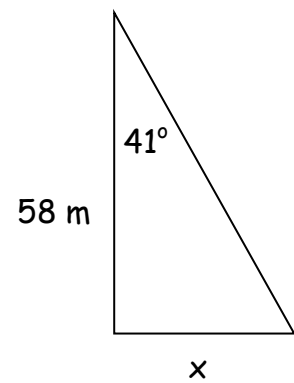
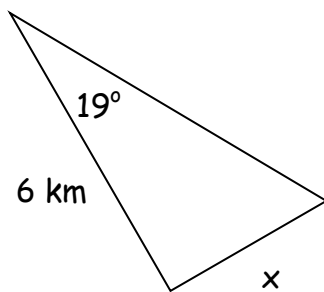
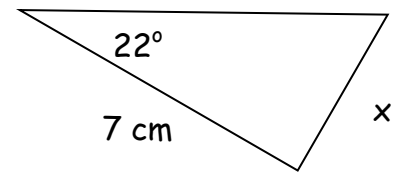
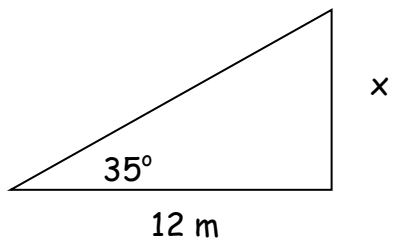
The Opposite Side

Today we are going to emphasize the importance of identifying the side of a triangle that is opposite to an angle.

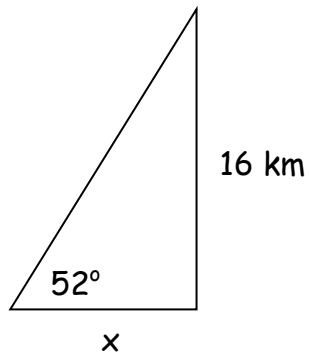
Example – Reduce each right triangle below to a unit triangle and then solve for the indicated side length.



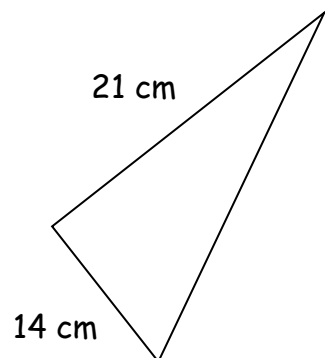
Example – Solve for the indicated side length in each right angle triangle below.



Example – Determine the complimentary angle in the right triangle below.
Then write and solve an equation for the tangent of each angle.

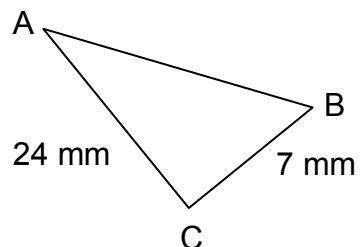
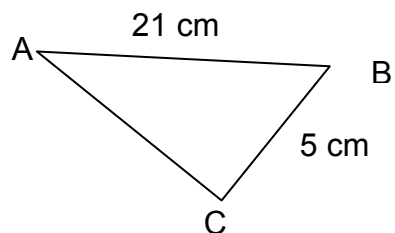


Example – Solve the right angle triangle below.



Homework – Please solve the following problems and complete questions:
#5ad, 6ac, 7acd on page 362 and #12bcd on page 374

1. Determine the values of all angles in the following right angle triangles.



2. Determine the lengths of all sides in the following right angle triangles.

