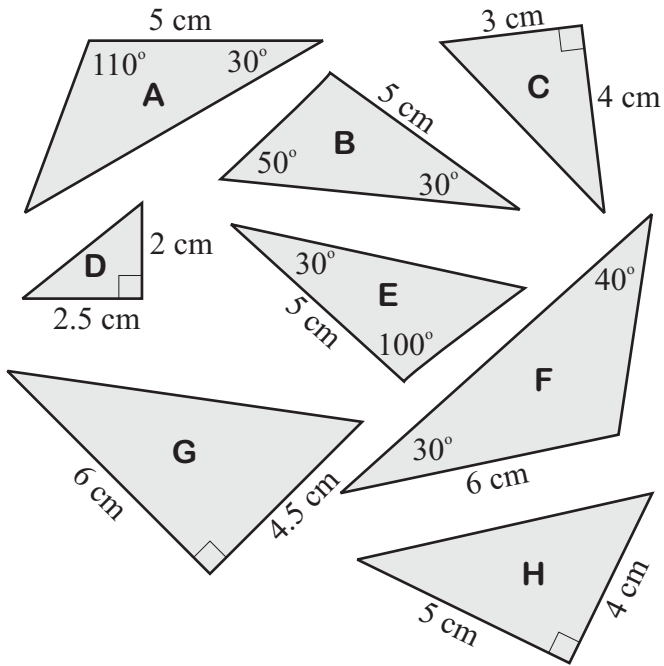


Name: _____

1. Match the pairs of similar and congruent triangles from the triangles below.
There are three pairs of similar triangles and one pair of congruent triangles.

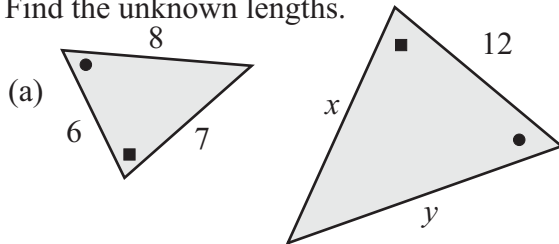


Pairs of similar triangles:

and , and , and

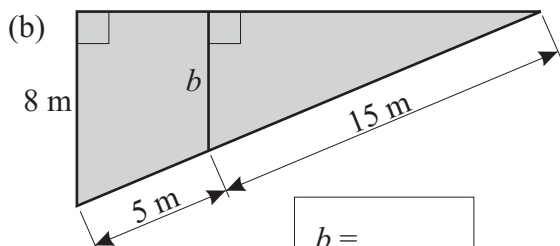
Pair of congruent triangles: and

2. Find the unknown lengths.

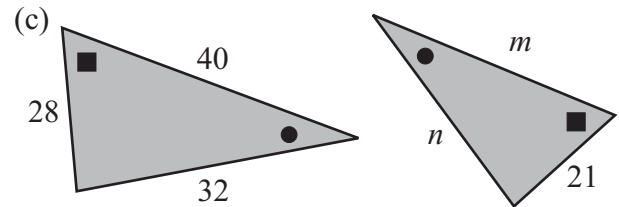


$x =$

$y =$

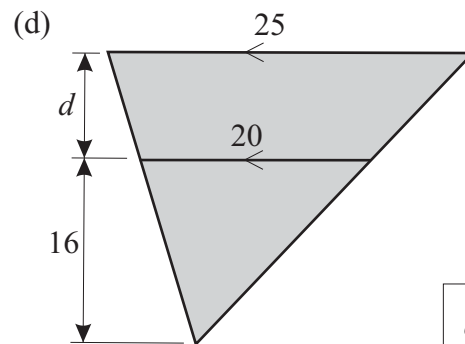


$b =$

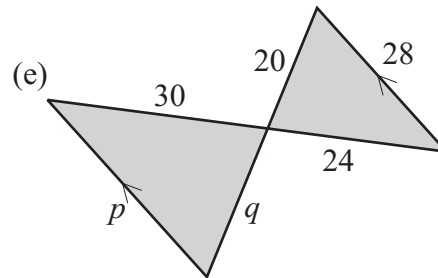


$m =$

$n =$



$d =$



$p =$

$q =$

3. Michael was standing near a camp fire at night and noticed his shadow, cast from the fire onto a nearby tree, was the same height as the tree. Michael is 170 cm tall and measured that he was 2 paces from the fire and 18 paces from the tree. Find the height of the tree in metres.