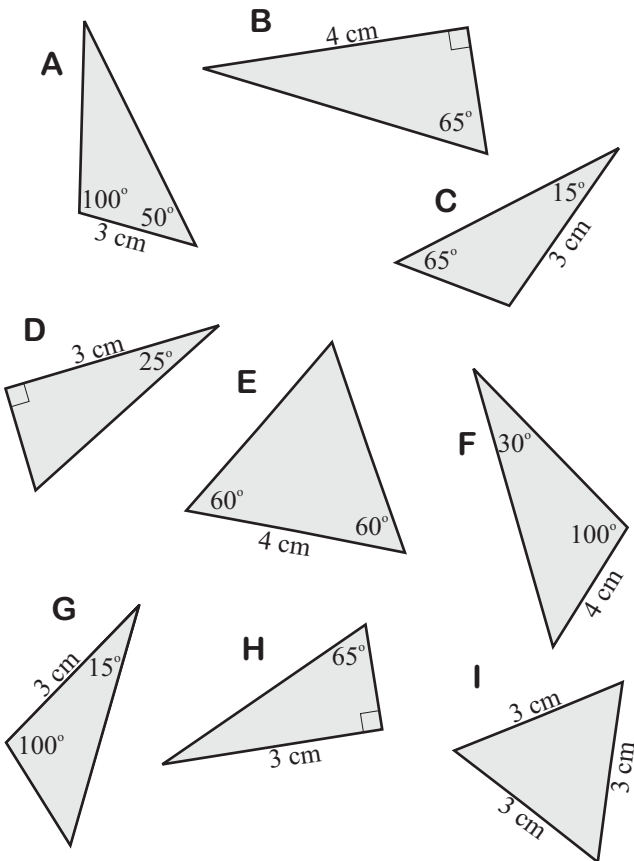


Name: _____

1. From the triangles below find **four** pairs of **similar** triangles and **two** pairs of **congruent** triangles.



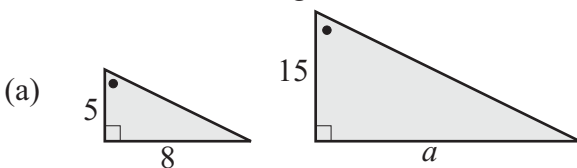
Pairs of similar triangles:

&	&	&	&
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Pairs of congruent triangles:

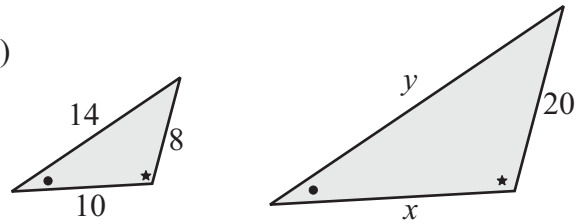
&	&
---	---

2. Find the unknown lengths.



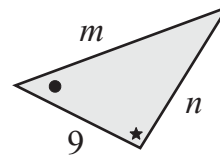
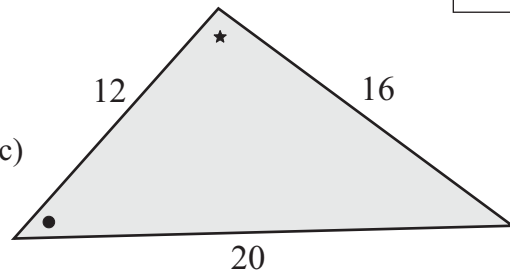
$a =$

(b)



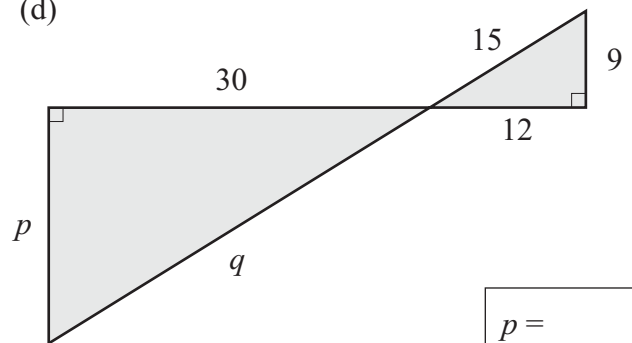
$x =$
$y =$

(c)



$m =$
$n =$

(d)



$p =$
$q =$

3. Evie is 165 cm tall. She measured her shadow on a sunny day to be 80 cm long. The shadow of a tree near Evie was 3.2 m long. How tall is the tree (in metres)?