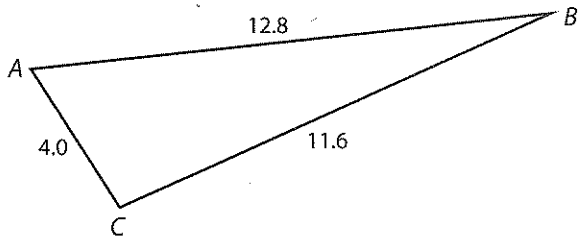
Name _____

Date _____

Check Your Understanding

Each triangle described in the table is similar to $\triangle ABC$, both shown below. For each triangle, use this fact and the additional information given to answer Parts a and b.



a. Identify the correspondence between its vertices and those of $\triangle ABC$.

b. Determine the remaining table entries.

Triangle Angle Measures			Shortest Side Length	Longest Side Length	Third Side Length	Scale Factor from $\triangle ABC$
$m\angle A = 64°$	$m\angle B = 18°$	$m\angle C = 98°$	$AC = 4.0$	$AB = 12.8$	$BC = 11.6$	1
$m\angle D =$	$m\angle E = 64°$	$m\angle F = 18°$				2
$m\angle G =$	$m\angle H =$	$m\angle I =$		$IG = 6.4$	$GH = 5.8$	
$m\angle J =$	$m\angle K = 18°$	$m\angle L = 98°$	$JL = 14.0$			