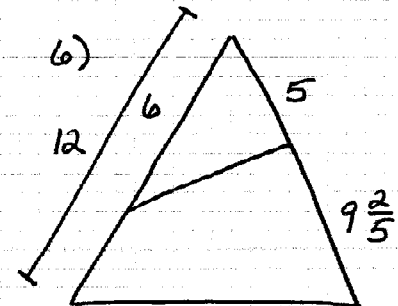
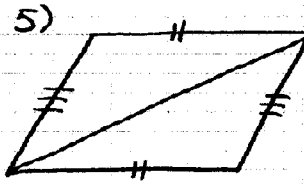
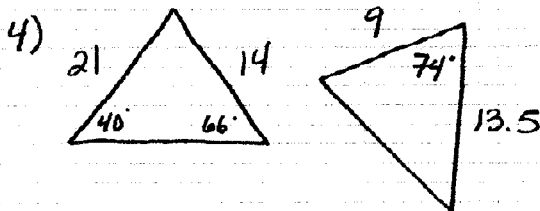
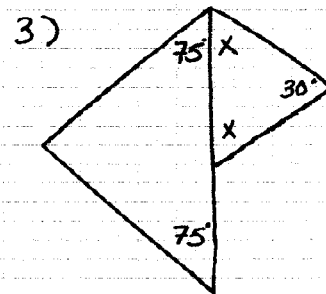
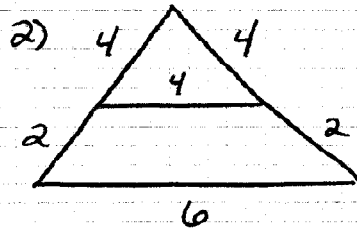
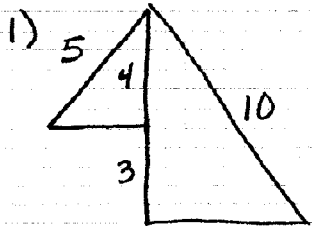
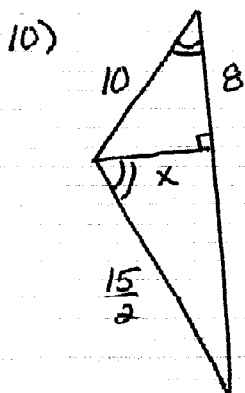
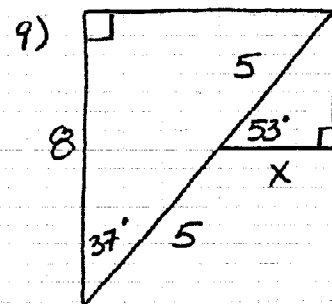
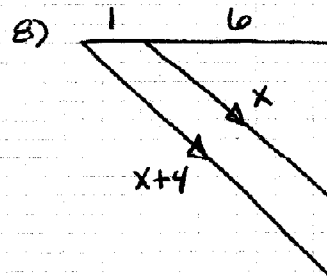
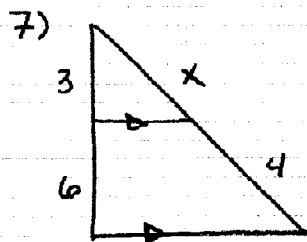


# Geometry Review Sections 8.3-8.5 Similar $\Delta$ 's / P-gons

Determine whether each pair of  $\Delta$ 's are similar. if they are, state the appropriate post./thm.



Find x or answer the question.



11) you want to enlarge a  $\Delta$  with sides  $\{3, 6, 6\}$ . if the shortest side of the new  $\Delta$  is 13, how long are the other two sides?

12) a 9 ft ladder leans against a wall. the top of the ladder is 7 ft above the ground. at what height would a 15 ft ladder touch the wall if both ladders form the same  $\angle$  with the ground?

Answers:

1) none

2) SSS OR SAS

3) AA

4) SAS

5) SSS

6) SAS

7)  $x=2$

8)  $x=24$

9)  $x=3$

10)  $x=6$

11) 26 & 26

12)  $11\frac{2}{3}$  ft.