**Review Unit 2**

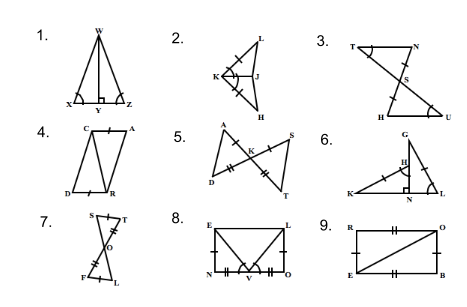
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**Name**

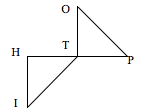
**Date: \_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_\_**

**Congruent Triangles**

**Determine if the following triangles are congruent. If congruent, state the postulate that allows you to prove congruency and write the congruency statement.**

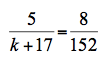
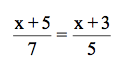


**Given that ΔHIT ≅ ΔTOP, write an equation and solve for x in each of the following.**

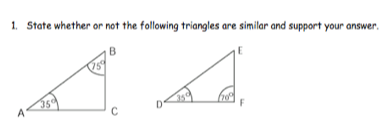
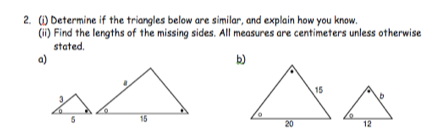
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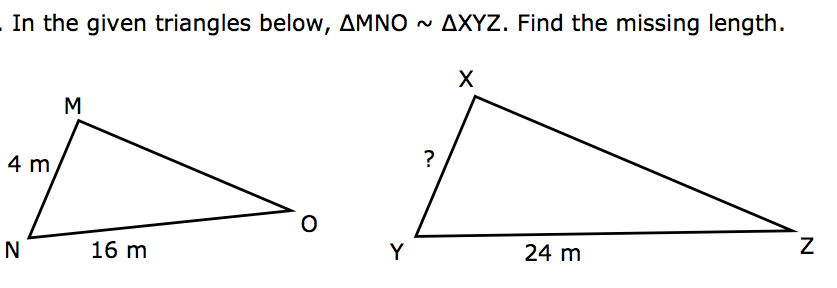
10. HT = 2x + 10, TP = 4x + 6, TO = 6x − 6 11. IT = 4x + 20, OT = 6x, IH = 2x + 44

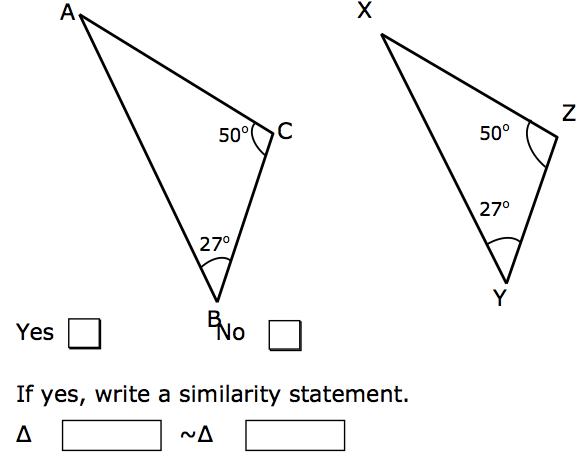
**Solve.**

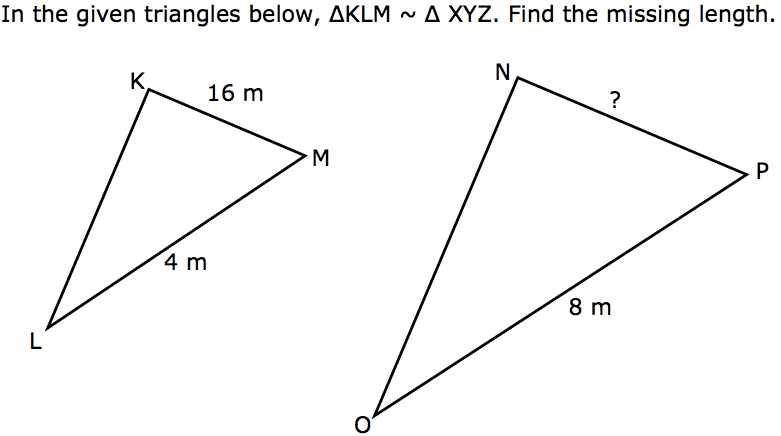
12.  13. 

Similar Triangles

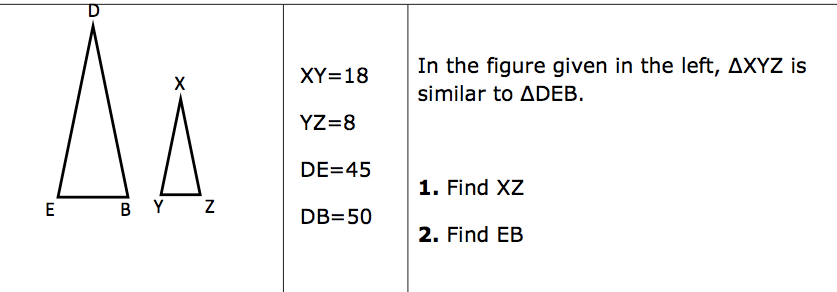
 

3. Are these triangles similar? 4.



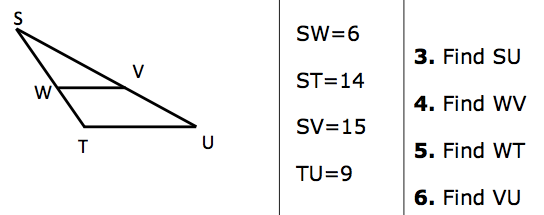


5.

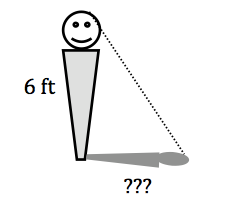
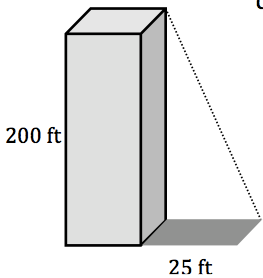


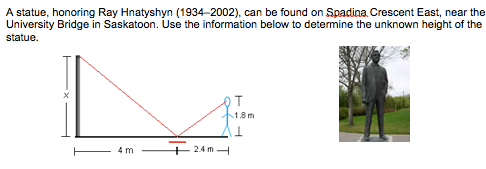
6.

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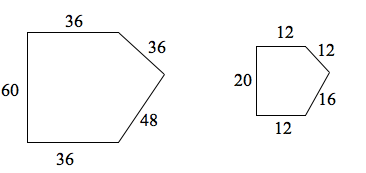
7.

8. 

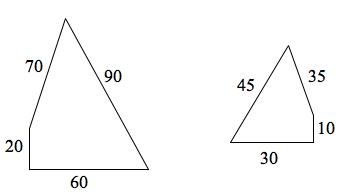


9.

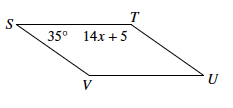
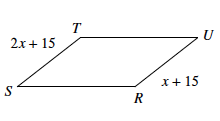
Determine if the quadrilaterals below are similar. ( yes/no) Show proof.

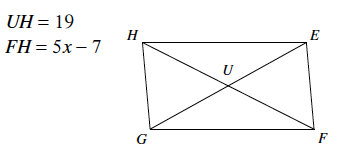
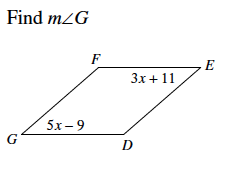


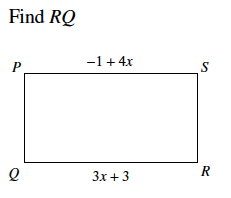
10.

11.

**Given the following parallelograms, find x.**

12. 13.

14. 15.

16.