**Review Unit 2**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **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.**

****

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.

.

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.