



Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Properties Tangents

*Solve for x. Show your work.*

1. External point distance: 12,  $r = 12$

2. External point distance: 16,  $r = 6$

3. External point distance: 16,  $r = 6$

4. External point distance: 14,  $r = 11$

5. External point distance: 15,  $r = 6$

6. External point distance: 13,  $r = 11$

7. External point distance: 17,  $r = 9$

8. External point distance: 17,  $r = 8$



## Properties Tangents – Answer Key

1. External point distance: 12,  $r = 12$   
**0.00**

2. External point distance: 16,  $r = 6$   
**14.83**

3. External point distance: 16,  $r = 6$   
**14.83**

4. External point distance: 14,  $r = 11$   
**8.66**

5. External point distance: 15,  $r = 6$   
**13.75**

6. External point distance: 13,  $r = 11$   
**6.93**

7. External point distance: 17,  $r = 9$   
**14.42**

8. External point distance: 17,  $r = 8$   
**15.00**