Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Segment Addition Postulate and Pythagorean Theorem Worksheet

1. Write out the segment addition postulate for the following diagram:

C

A

T

1. If AB = 27 and BC = 13, find the length of AC. 3. If TD = 32 and YD = 51, find YT



For the following problems solve for the value of *x*. Then use x to find the measures of all three line segments.

4. 5.



6. 7.

GET WORKSHEET FROM LET’s PRACTICE GEOMETRY

<http://www.letspracticegeometry.com/wp-content/uploads/2011/11/pythagorean-theorem.pdf>