Name: _____   Date: _____

Section 3.2 Extra Practice

1. Write down the words that fill in the blanks.

In a _____ triangle, the sum of the areas of the

_____ attached to the legs equals the area of the square

attached to the _____.

2. a) Trace the right triangle below. Label the hypotenuse with t. Label the other legs of the triangle with r and s.
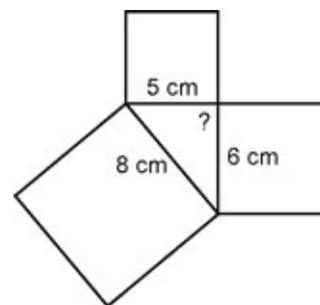
b) Draw a square attached to each side of the triangle.

c) Write the relationship of the areas of the squares, using variables and symbols.
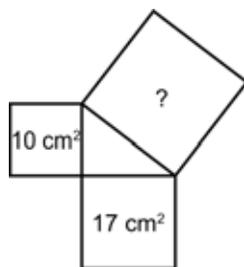
3. a) Calculate the areas of the three squares shown.
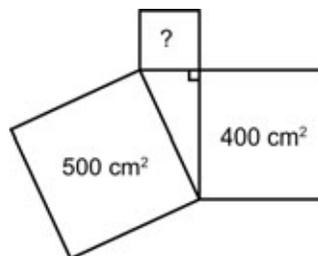
b) Is the triangle a right triangle? Explain.

5 cm

?

8 cm   6 cm

4. Calculate the missing area of each square. Show your work.
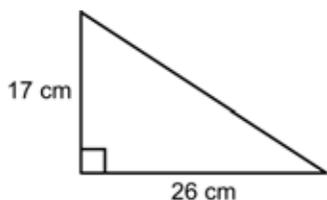
a)

?

10 cm²

17 cm²

b)

?

400 cm²

500 cm²

5. Determine the area of the square that would be attached to the hypotenuse of each right triangle.

a)

17 cm

26 cm

b)

7 cm

15 cm