

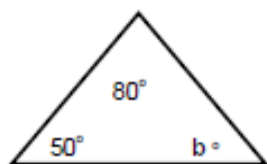
Name: _____

Date: _____

Math 620 – More on Triangles and Angle Bisector: Homework

In each of the triangles below, solve for the given variable.

1)



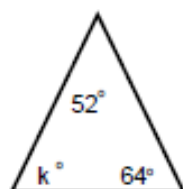
$$b = \underline{\hspace{2cm}}$$

5)



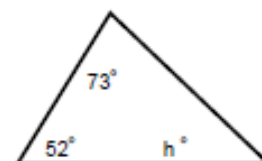
$$n = \underline{\hspace{2cm}}$$

2)



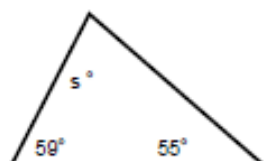
$$k = \underline{\hspace{2cm}}$$

6)



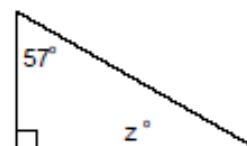
$$h = \underline{\hspace{2cm}}$$

3)



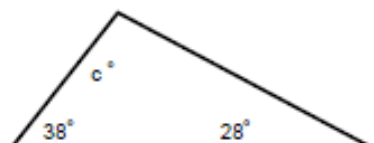
$$s = \underline{\hspace{2cm}}$$

7)



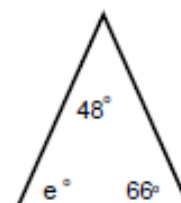
$$z = \underline{\hspace{2cm}}$$

4)



$$c = \underline{\hspace{2cm}}$$

8)



$$e = \underline{\hspace{2cm}}$$

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Math 620 – More on Triangles and Angle Bisector: Homework

Use your knowledge about supplementary angles, complementary angles, vertical angles, and the sum of the angles in a triangle to solve for x in the problems below.

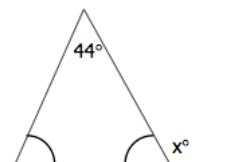
13) $x =$ _____



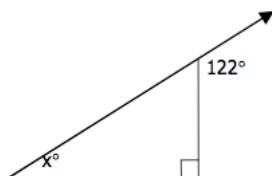
14) $x =$ _____



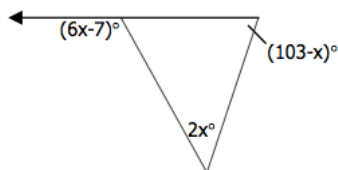
15) $x =$ _____



16) $x =$ _____



17) $x =$ _____



18) $x =$ _____

