

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

1. (a) Use a protractor to draw lines at the angles shown below.



- (b) Mark point C, the intersection of these two lines.
- (c) Using your knowledge of the angles in a triangle, what should be the size of angle  $\angle ACB$ ?
- (d) Use a protractor to measure  $\angle ACB$ .

2. Write the names of the following triangles.

- (a) all sides are the same length

\_\_\_\_\_

- (b) all sides are different lengths

\_\_\_\_\_

- (c) two sides are the same length

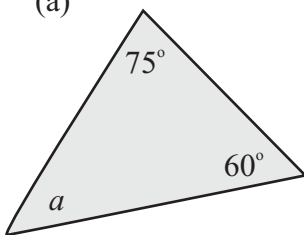
\_\_\_\_\_

- (d) one angle is  $90^\circ$

\_\_\_\_\_

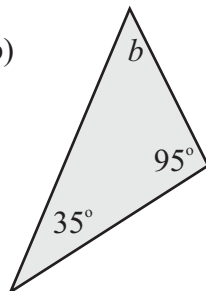
3. Calculate the unknown angles in the following triangles.

- (a)



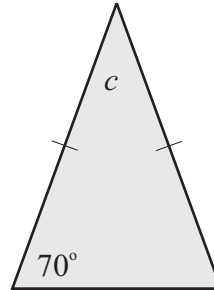
$a =$

- (b)



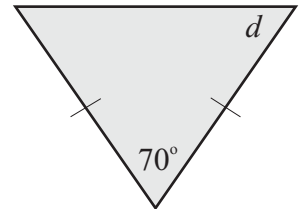
$b =$

- (c)



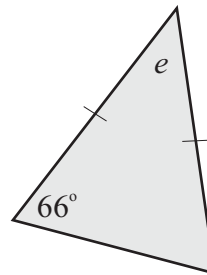
$c =$

- (d)



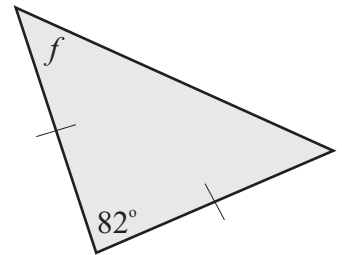
$d =$

- (e)



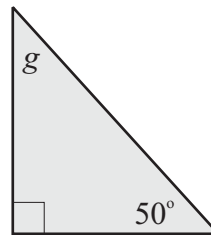
$e =$

- (f)



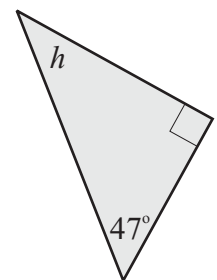
$f =$

- (g)



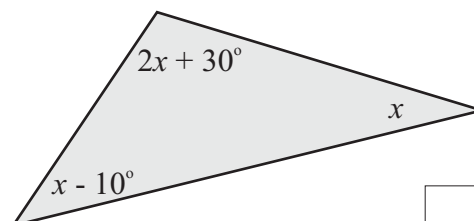
$g =$

- (h)



$h =$

4. Find  $x$ .



$x =$