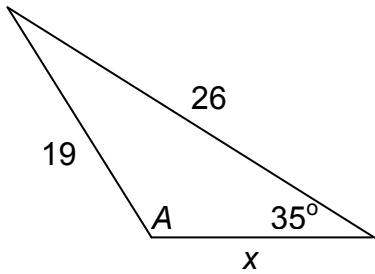


1. In the triangle shown, find the angle  $A$  and the length of side  $x$ .



$A =$  \_\_\_\_\_

$x =$  \_\_\_\_\_

2. A parallelogram has sides of length 4 and 9, and one angle is  $44^\circ$ .

a. What is the length of the shorter diagonal?

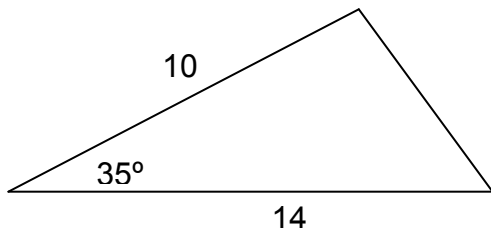
\_\_\_\_\_

b. What is the length of the longer diagonal?

\_\_\_\_\_

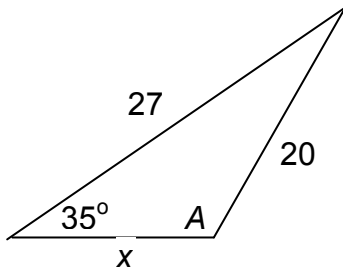


3. In the triangle shown, find the area of the triangle.



\_\_\_\_\_

1. In the triangle shown, find the angle  $A$  and the length of side  $x$ .



$A =$  \_\_\_\_\_

$x =$  \_\_\_\_\_

2. A parallelogram has sides of length 4 and 8, and one angle is  $49^\circ$ .

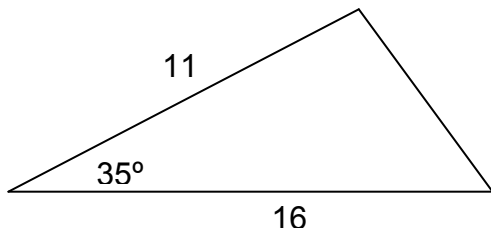
- a. What is the length of the shorter diagonal?

\_\_\_\_\_

- b. What is the length of the longer diagonal?

\_\_\_\_\_

3. In the triangle shown, find the area of the triangle.



\_\_\_\_\_