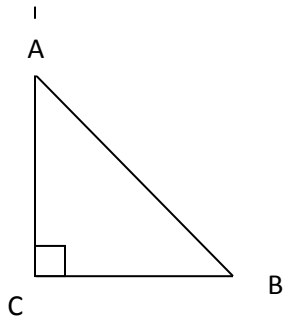


Name: \_\_\_\_\_

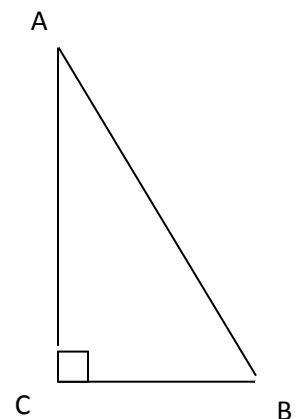
Points: \_\_\_\_\_

1. In a right triangle  $\triangle ABC$ ,  $\angle B = 60^\circ$ .

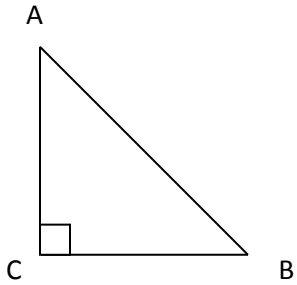
- If  $BC=12$ , find  $AB$  and  $AC$ . Leave answers in simplified radical form.
- If  $AB=12$ , find  $BC$  and  $AC$ . Leave answers in simplified radical form.
- If  $AC=12$ , find  $AB$  and  $BC$ . Leave answers in simplified radical form.

2. In a right triangle  $\triangle ABC$ ,  $\angle B = 68^\circ$ .

- If  $BC=12$ , find  $AB$  and  $AC$ . Round to the nearest tenth.
- If  $AB=12$ , find  $BC$  and  $AC$ . Round to the nearest tenth.
- If  $AC=12$ , find  $AB$  and  $BC$ . Round to the nearest tenth.



3. In a right triangle  $\triangle ABC$ ,  $\angle B = 45^\circ$ .



- If  $BC=12$ , find  $AB$  and  $AC$ . Leave answers in simplified radical form.
- If  $AB=12$ , find  $BC$  and  $AC$ . Leave answers in simplified radical form.
- If  $AC=12$ , find  $AB$  and  $BC$ . Leave answers in simplified radical form.

4. In a right triangle  $\triangle ABC$ ,  $\angle A = 34^\circ$  and  $BC$  is 5. Find  $AC$  (round to the nearest tenth).

