Finding a side of a right triangle given one angle and one side:
In your notebook...

- ❑ Sketch the triangle, copying all labeled parts.
- ❑ Identify the opposite, adjacent, and hypotenuse sides to the acute angle given. (abbreviate)
- ❑ Decide whether the unknown side (x) is opposite, adjacent, or hypotenuse.
- ❑ Decide whether the known side is opposite, adjacent, or hypotenuse.
- ❑ Use your note sheet or SOH-CAH-TOA to decide which ratio will help you find x.
- ❑ WRITE AN EQUATION. (see right column on note sheet)
- ❑ Solve the equation for x using algebra strategies.
- ❑ Write your answer as cm or as unit given.

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