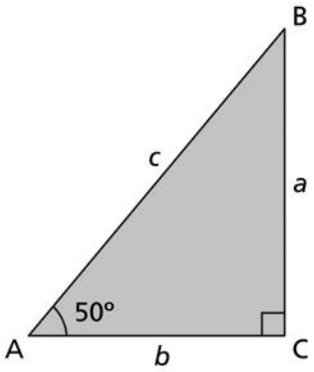
Try This 5 - 6

Repeat the same steps as the last Try This exercise using the following triangle: Put your triangle to the right of the given one.



Determine the lengths of the three sides of the triangle.

Side *a*: _____

Side *b*:_____

Side *c*:_____

Determine the following ratios (round to four decimal places):

$\frac{a}{b} =$

$\frac{a}{c} =$

$\frac{b}{c} =$

State in your own words what ratio is represented by

$\frac{a}{b}$

$\frac{a}{c}$

$\frac{b}{c}$

TT 5. Are the ratios $\frac{a}{b}$, $\frac{a}{c}$, and $\frac{b}{c}$ for this triangle different from the same ratios for the other triangles? Why or why not?

TT 6. How will the ratios $\frac{a}{b}$, $\frac{a}{c}$, and $\frac{b}{c}$ for this triangle compare with the same ratios for other right triangles with a 50° angle?