

## Guided Reading Questions 6.2 – Trigonometry of Right Triangles

Pages 458 – 463

1. What are the inputs into the trigonometric functions? What are the outputs?
2. Name the two special triangles. Draw both pictures with the angles labeled.
3. Describe the ratios for cosecant, secant, and cotangent in two different ways (Hint: one ratio is listed on page 458, and the other is listed on page 460 ☺ ).
4. Describe the angles of elevation and depression. Draw figures to represent these angles.
5. Name the line of sight that follows a physical object (like a hill).
6. Solve for the missing side length,  $x$ , in the given situations. Angle B is a right angle.

A  $m\angle A = 52^\circ$

