Trigonometry of the Right Triangle – Homework Round answers to the nearest tenth.



- 7. A right triangle has an angle of 20° and a longer leg of 5, find the hypotenuse.
- 8. Solve right triangle ABC using the measurements provided and the diagram shown.

В

а

С

с

- a. B = 40°, a = 19 c. A = 28°, c = 11
- b. $A = 50^{\circ}, a = 3.1$ d. $B = 35^{\circ}, b = 24$





20. Let θ be an acute angle in a right triangle. Find the values of the other 5 trig functions. Give answers as exact values in simplified form.

a.
$$\sin \theta = \frac{3}{8}$$
 b. $\csc \theta = \frac{3\sqrt{2}}{4}$ c. $\tan \theta = \frac{10}{3}$