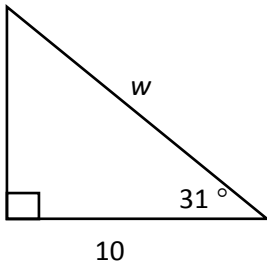


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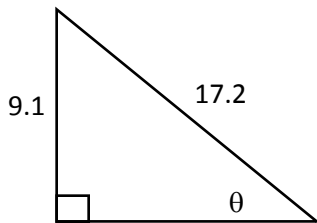
4.1 (day 1)

- 1) Solve for the missing side:



- 2) Given the cosecant of θ in a right triangle is $2\sqrt{3}$, find the exact other 5 trig functions.

- 3) Solve for θ . Round to the nearest tenth.



- 4) Willis Tower stands approximately 1,450 ft. If you're standing a mile east from it on the shores of Lake Michigan, what is the angle created from your eye to top?

4.1 (day 2)

- 5) A parasailer is attached to a boat with a rope 300 ft. long. The angle of elevation from the boat to the parasailer is 48° . Estimate the parasailer's height above the boat.

- 6) In a light house, on a 100 ft. cliff stand 120 ft. high. A boat is sited 350 ft. from shore. Determine the angle of depression.