Class_15 Feb 28 - Starting Trigonometry

Sunday, February 26, 2023 12:54 PM

Tonight's Class:

- Any questions from Chapter 4?
- Chapter 4 Test
- Working through sections 5.1 and 5.2
 - Trig review
 - Standard position angles, reference angles, special triangles





Trigonometry is used to determine the ratios between sides and angles in a triangle. These ratios can be converted into sinusoidal waves that repeat. They model what happens in nature, for instance:

- the depth of water due to tides
- the behavior of sound and light waves

We'll use trigonometric ratios to find the size of angles, lengths of sides of triangles, and to solve application problems related to triangles.



 $\begin{array}{c} 3 + 6 = (hyp)^2 \\ 4 + 36 = (hyp)^2 \\ 45 = (hyp)^2 \\ \sqrt{45} = hyp \end{array}$

 $\sqrt{335} = hyp$ $3\sqrt{5} = hyp$

cost = A

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