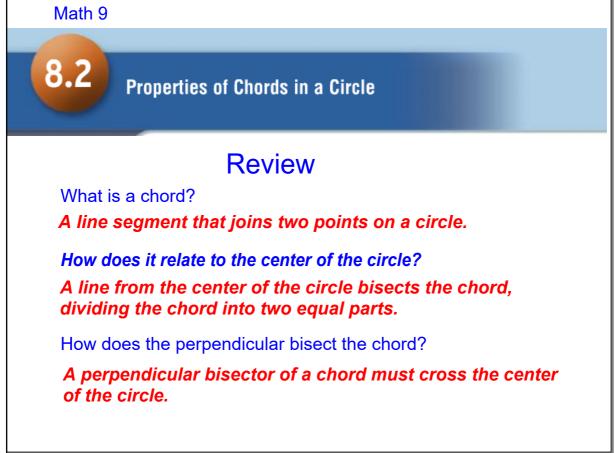
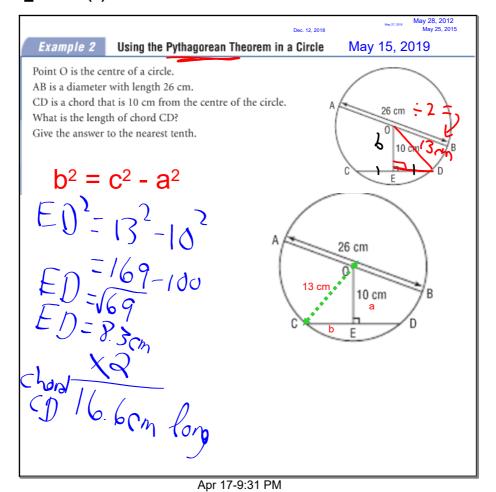
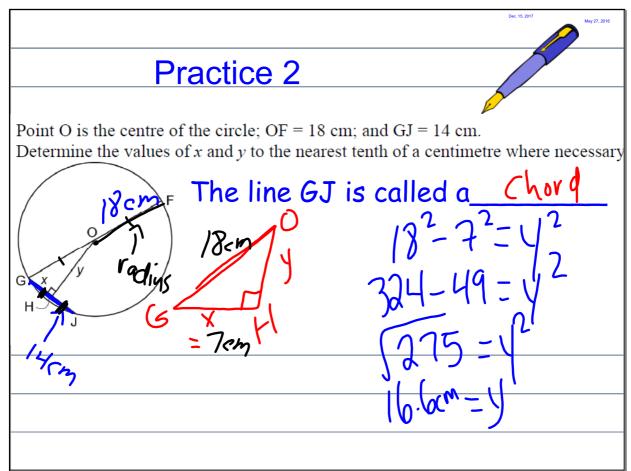


Apr 17-8:11 PM







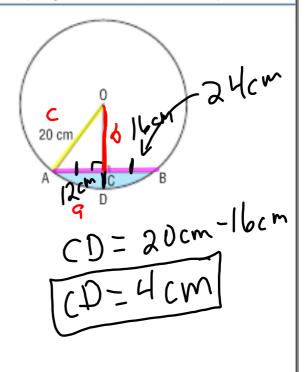
## Example 3 Solving Problems Using the Property of a Chord and its Perpendicular

A horizontal pipe has a circular cross section, with centre O. Its radius is 20 cm.

Water fills less than one-half of the pipe.

The surface of the water AB is 24 cm wide.

Determine the maximum depth of the water, which is the depth CD.



Apr 17-9:41 PM