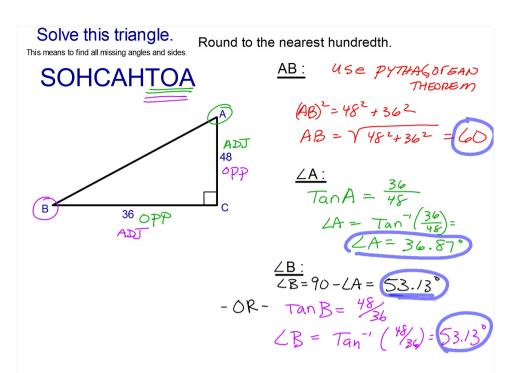


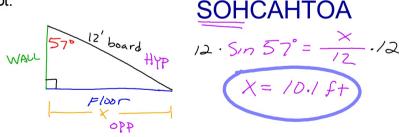
Hwk #12 Sec 14-3

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Problems 2(a,f), 3(a,b,e), 5, 6, 36, 37



Carpenters attach a 12 foot long board to the top of a wall and to the floor in order to keep it supported while they finish the construction. If one end of this board makes a 57° angle with the wall how far from the wall is the other end of the board? Round to the nearest tenth of a foot.



In order for a building to be wheelchair accessible it needs to have a wheelchair ramp if the door isn't at ground level. According to the ADA the maximum angle a ramp can make with the ground is 4.8°. A ramp is needed to take a person from the level of the parking lot to a doorway that is 4 feet above the parking lot. How far from the building will the end of the ramp be located? Round to the nearest hundredth.

