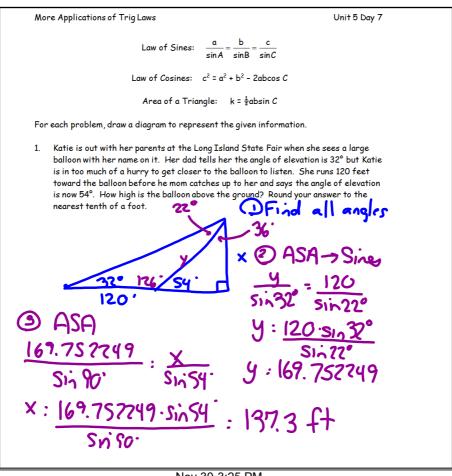
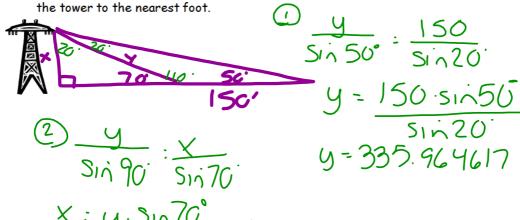
## HW 5-6

- 1. A=52.4°, B=29.7°, C=97.9°
- 2. 33.2
- 3. 46.0
- 4. 30.1
- 5. 29°56'

Dec 12-7:20 PM

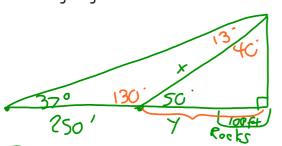


2. A surveyor on the ground takes 2 readings of the angle of elevation of the top of a tower. The readings are taken 150' apart and are 50° and 70°. Find the height of

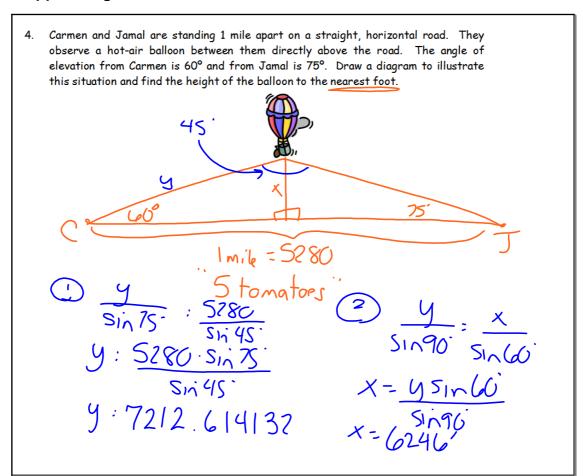


Nov 30-3:25 PM

3. A ship captain at sea uses a sextant to sight an angle of elevation of 37° to the top of a lighthouse. After the ship travels 250 feet directly toward the lighthouse, another sighting is made, and the new angle of elevation is 50°. The ship's charts show that there are dangerous rocks 100 feet from the base of the lighthouse. Find, to the nearest foot, how close to the rocks the ship is at the time of the second sighting.



1 X = 250 51,37° 51,13° X = 25051,37° 51,13° X = 668.8288536



Nov 30-3:26 PM

