Worksheet #3 – Applying Trig.





10. You're traveling on a road trip and you notice a mountain directly in front of you. The angle of elevation to the peak is 3.5 degrees. After you drive 13 miles closer to the mountain, the angle of elevation is 9 degrees.

• Draw a picture.

• Approximate the height of the mountain. (Hint: You may need to use substitution!)

Challenge: Given that 2 squares of length 15cm are placed next to each other. What is the measure of $\angle EAD$?

