What Does the Shadow Show?

Name_____

Partner_____

My height in inches _____

Date _____Period_____

My partner's height in inches _____

1. Before measuring, predict the height of the lamppost to the nearest tenth of a foot. _____
   Explain how you came up with this number.
   _____
   _____

2. Using inches, find the height of the lamppost to the nearest tenth of an **inch.** Do the problem twice, once
   using your height and once using your partner's. **Include a drawing and show all work**.
   Make sure to include side lengths on your drawings and mark congruent angles.
   ME   MY PARTNER

   Height of lamppost:_____inches   Height of lamppost:_____ inches

3. Convert your answers to the nearest tenth of a foot.
   Height of lamppost: _____ feet   Height of lamppost: _____ feet

4. Explain in words the process you used to find your answers. _____
   _____
   _____
   _____

5. Are the 2 answers you got in #3 close to each other? Should they be? Why or why not? _____
   _____
   _____

6. Are either of your answers reasonable? Why or why not? If not, what do you think happened? How does
   your answer compare to your estimate in problem #1? _____
   _____
   _____
   _____