

Name _____

Answer Key

1. The kite is approximately 38.56 meters high.
2. The ramp makes approximately a 18.43-degree angle with the ground.
3. The angle of elevation of the sun needs to be approximately 53.13 degrees.
4. The runway is approximately 14182.38 feet (or about 2.69 miles) away horizontally from the plane.
5. The wire should be approximately 7 feet long.
6. The building is approximately 20.78 feet tall.
7. The tower is approximately 91.02 meters tall.
8. The length of the third side is approximately 10 feet.
9. Ethan travels approximately 466.31 meters horizontally.
10. The angle the roof makes with the horizontal is approximately 31.76 degrees.