

Name _____

Answer Key

1. The kite is approximately 45.66 meters high.
2. The ramp makes approximately a 14.04-degree angle with the ground.
3. The angle of elevation of the sun needs to be approximately 34.38 degrees.
4. The runway is approximately 124,687.08 feet (or about 23.63 miles) away horizontally from the plane.
5. The wire should be approximately 9.54 feet long.
6. The building is approximately 19.21 feet tall.
7. The tower is approximately 40.53 meters tall.
8. The length of the third side is approximately 12 feet.
9. Ethan travels approximately 324.92 meters horizontally.
10. The angle the roof makes with the horizontal is approximately 35.54 degrees.