

Name _____

Answer Key

1. The kite is approximately 86.60 meters high.
2. The ramp makes approximately a 21.80-degree angle with the ground.
3. The angle of elevation of the sun needs to be approximately 41.81 degrees.
4. The runway is approximately 9304.21 feet (or about 1.76 miles) away horizontally from the plane.
5. The wire should be approximately 8.49 feet long.
6. The building is approximately 29.15 feet tall.
7. The tower is approximately 60 meters tall.
8. The length of the third side is approximately 10 feet.
9. Ethan travels approximately 429.22 meters horizontally.
10. The angle the roof makes with the horizontal is approximately 33.69 degrees.