

Name _____

Alg2A Q1 Quiz 2 Review

September 18, 2019

Quiz Friday

- 4) A child is sitting on the floor flying a kite. The kite is 505 feet off the ground. The angle of elevation is 63° . How long is the kite's string?

- 5) A bird flies 24 km east and then flies 45 km north. How far away from its starting point is the bird?

- 6) There is a support cable connected to the top of a 42-foot telephone pole extends to a point on the ground that is 40 feet from the base of the telephone pole. How long is the cable?

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7) A building casts a 59-foot shadow. If the angle of elevation is 27° , find the height of the building.

8) A child is sitting on the ground flying a kite. The kite is 315 feet in the air and the string is 425 feet long. What is the angle of depression?