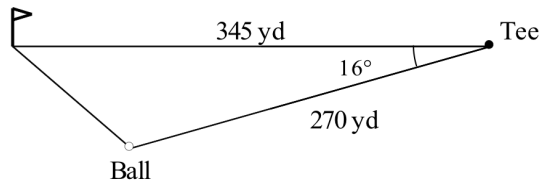4. A pole 80 feet tall is situated at the bottom of a hill that slopes up at an angle of $16°10'$. A guy wire from the top of the pole to the hillside forms an angle of $20°$ with the top of the pole. Find the distance from the base of the pole to the guy wire's point of attachment.

5. Sara and Zahra are golfing on a beautiful summer day. The fourth hole is 345 yards due west from the tee. On that hole, Zahra hit her drive to the left of the correct direction, as sketched below.

Find the distance from the ball to the hole (the flag).

11. From a certain distance, the angle of elevation to the top of a building is $17°$. At a point 50 meters closer to the building, the angle of elevation is $31°$. Approximate the height of the building.