P12 - 2.8 - Cliff Down Projectile Motion HMK

A ball is shot from 80 m cliff at 5 m/s at an angle of 20° below the horizontal. What is the max height? What is the time in flight? What is the distance the ball travels? What is the angle and resultant velocity of impact?

A ball is shot from 10 m cliff at 105 m/s at an angle of 15° below the horizontal. What is the max height? What is the time in flight? What is the distance the ball travels? What is the angle and resultant velocity of impact?