P12 - 2.10 - Cliff Up Projectile Motion HMK

A ball is shot from 35 m cliff at 45 m/s at an angle of 30° above 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 30 m cliff at 85 m/s at an angle of 60° above 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?