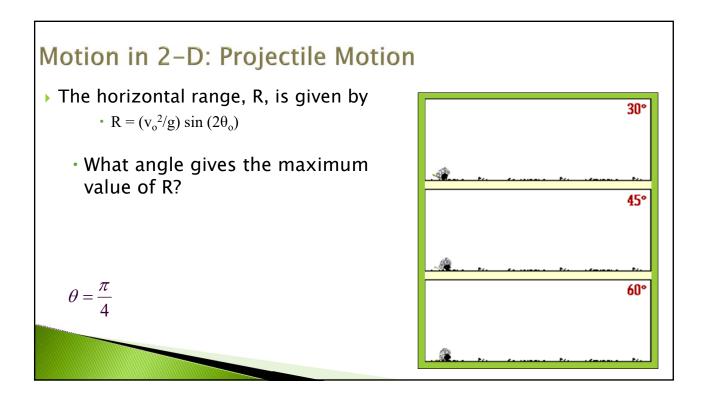


## EX: P 4.44

- A ball is thrown toward a cliff of height h with a speed of 30 m/s and an angle of 60° above the horizontal. It lands on the cliff 4.0 s later.
- A. How high is the cliff?
- B. What is the max height of the ball?
- C. what is the ball's impact speed?



## EX: P 4.41

- A projectile is fired with an initial speed of 30 m/s and an angle of 60° above the horizontal. The object hits the ground 7.5 s later.
- A. How much higher or lower is the launch point relative to the point where the projectile hits the ground?
- B. What is the velocity of the projectile when it hits the ground?

