

Name: _____

1. A ball rolls at 17.5 m/s for 25.0 seconds. How far does it travel during that time?
2. A ball is thrown at an angle of 35.0° above the horizon with a speed of 24.0 m/s. (a) What are its horizontal and vertical components? (b) How long is it in the air?
3. How far away from its starting point does the ball in problem #2 land?
4. If a ball is kicked sideways off of a 45.0 m cliff at 25.0 m/s, how long is it in the air?
5. How far away from the base of the cliff does the ball in problem #4 land?