

rumble_jump.2

Complete the rumble in the Bronx jump problem for the three following scenarios

1. height difference = 9.0 m width of alley = 12 m angle of launch = 35°

2. height difference = 6.0 m width of alley = 8.0 m angle of launch = 20°

3. height difference = 4.0 m width of alley = 6.0 m angle of launch = 15°

answers: 1. $t = 1.9s$ velocity = 7.8 m/s

2. $t = 1.4 s$ $v = 6.3 m/s$

3. $t = 1.1 s$ $v = 5.8 m/s$