As part of a daring rescue attempt, the *Millennium Eagle* coasts between a pair of twin asteroids, as shown in the figure below where *d*1 = 2.74 km and *d*2 = 1.37 km. The mass of the spaceship is 2.55 multiplied by107 kg and the mass of each asteroid is 3.50 multiplied by1011 kg. If the *Millennium Eagle* is at rest at point *A* what is its speed at point *B*?   
1 m/s

