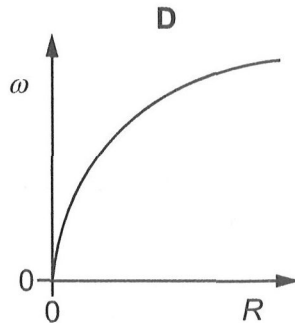
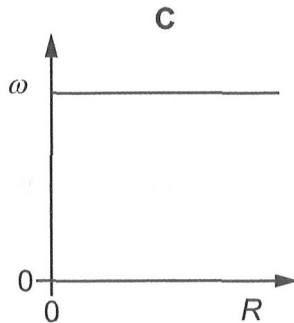
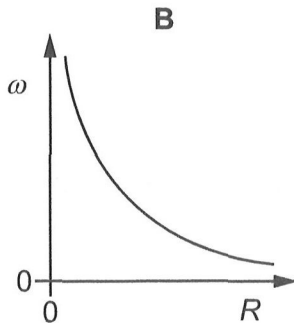
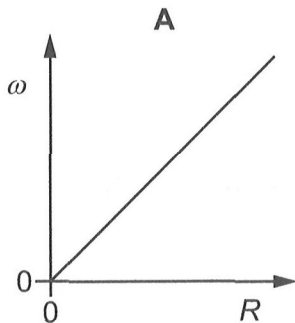


- 10 A small ball on the end of a long string moves in a horizontal circle of radius  $R$ . As the ball moves,  $R$  increases but the speed remains constant.

Which graph best represents the relationship between the angular velocity  $\omega$  of the ball and the radius of the circle?



- 11 As part of their training, astronauts are subjected to large forces by being placed in a chair at