p.282 #11 A tree branch 3 m above ground runs parallel to Noel's garage and his neighbour's. Noel wants to attach a rope swing on this branch. The garages are 4.2 m apart and the rope is 2.7 m long. a) What is the maximum angle, measured from the perpendicular, through which the rope can swing? Round your answer to the nearest degree.

b) What is the maximum height above ground, to the nearest tenth of a metre, of the end of the rope?

