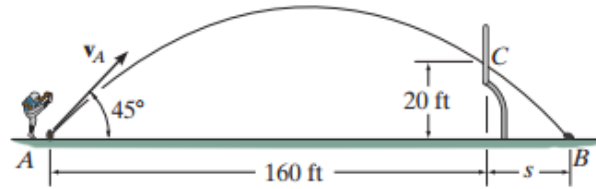


2) **ABET SO (e)**: If the football is kicked at an angle of 45° , determine its minimum initial speed v_A so that it passes over the goal post at C . At what distance s from the goal post will the football strike the ground at B ? Clearly label your coordinate system(s).



30 marks