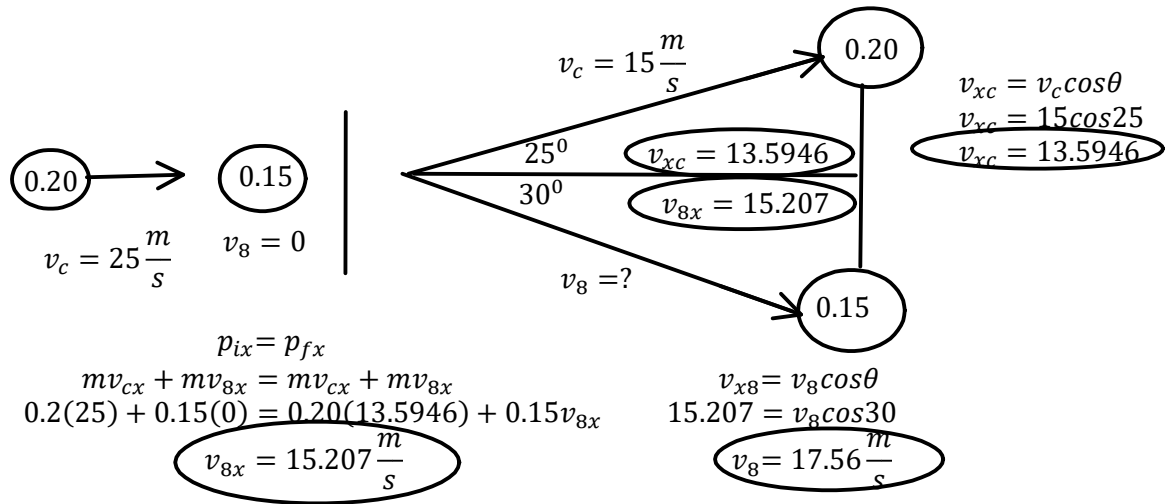


P12 - 5.3 - Momentum Trig Notes

A pool player shoots the cue ball with a $m = 0.2 \text{ kg}$ with a $v = 25 \frac{m}{s}$ at the eight ball with a $m = 0.15 \text{ kg}$ at Rest. The cue ball deflects at a $v = 15 \frac{m}{s}$ in the diagram (see θ 's). Find v_8 .



If θ_8 is unknown, find v_8 .

Up=Down

