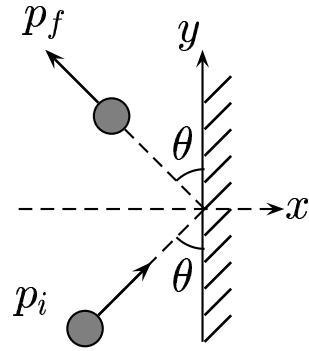


A steel ball strikes a wall with an initial momentum p_i at an angle θ with the surface. It bounces off with the momentum p_f at the same speed and angle.



Determine the direction of the impulse vector $I = P_f - P_i$. Choose one:

- A) positive y.
- B) 2nd quadrant.
- C) negative x.
- D) 3rd quadrant.

From the sketch one sees the answer.
Answer **C**.