Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_

**Chapter 5: Momentum and Impulse**

**Quiz (20 pts)**

* 1. Massive David on the left faces petite Jen on the right. They are standing at rest on roller blades facing each other. David gives Jen a firm push toward the right. Draw a diagram of the process with change in velocity vectors. Say everything you can about Jen and David’s motion after the push. Support your description with Newton’s Laws.

1. Jen is standing stationary wearing roller blades. David in tennis shoes throws a medicine ball at her. The ball is moving toward the right. Jen catches the ball. Draw a diagram of the process with change in velocity vectors. Say everything you can about Jen and the medicine ball’s motion after the catch. Support your description with Newton’s Laws.