

## Chapter 2 HW

Review Questions: 2, 5, 14, 15, 22, 23

Exercises: 6, 9, 15, 29, 38

Problems: 1, 10

Additional:

- A. Krystina fires a dart from a Nerf gun at her older sister; the dart flies through the air and misses her sister impacting the wall. Apply each of Newton's laws to this system.
- B. A 400 kg bear grasping a vertical tree slides down at a constant velocity. What is the friction force that acts on the bear?
- C. If raindrops fall vertically at a speed of 3 m/s and you are running along a horizontal path at 4 m/s, what is the resultant vector of the raindrops?