Lesson 8 Worksheet

- 1. A hot air balloon is accelerating with a net force of 1000N [up]. If we know that the gravitational force acting on the balloon is 3000N [down], determine the applied force by the burner (flame). Identify up as the positive direction.
- 2. Three confused sleigh dogs are trying to pull a sled across the Alaskan snow. Alutia pulls west with a force of 35 N, Seward pulls east with a force of 42 N, and big Kodiak pulls west with a force of 53 N. What is the net force on the sled? Identify east as the positive direction.