Section 7.5 Interest Grabber

Opposing Changes

Imagine that you are emptying a swimming pool using a pump that removes 5 gallons of water each minute. Meanwhile, your friend turns on a hose that adds 5 gallons of water to the pool each minute.

- 1. What happens to the water level of the swimming pool?
- 2. What would happen to the water level of the swimming pool if you increased the rate that the pump removed water to 7 gallons of water each minute?