

## **Velocity Problems 2**

*Physical Science and Technology*

**Please answer these questions on your own sheet of paper! Show the Five Steps for all problems.**

1. Zac Efron is running as fast as he can. He goes a 100 meters, and it takes him 5.4 seconds. What is his velocity?
2. Tanya the talking tree is skiing down a mountain. She is traveling at 4.2 m/s. If she goes a total of 822 meters, for how long was she skiing?
3. A blue chicken is parachuting from an airplane. He falls at 31 m/s for a total of 97 seconds. How far did he fall?
4. Adam Sandler is walking to a friend's house. He walks 75 meters north, then realizes he walked too far. He turns around and walks 25 meters south. The entire walk takes him 13 seconds. What was his velocity in meters per second?
5. A yellow bird is running around a track. The track is 2500 meters long. She is running at a constant speed. It takes her 452 seconds to run around the track and get back to where she started. What was her velocity?