**2.4 Group Quiz Name**

Work on these as a group, and come to a consensus as to the correct solution. Circle your final answers, show your work, and label your answers with units.

1. A rock falls from a cliff that is 34.0 m tall. What time does it take to reach the ground? What is its velocity of impact?

2. A rocket is launched up in the air from the ground and hits the ground 6.22 s later. What was the greatest height it reached?

3. A baseball is popped up at 45.0 m/s. What total time will it remain in the air?

4. An air rocket leaves the ground at 32.0 m/s. What would be its velocity after 4.50 s?