**2.3 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. When you are done, staple them together, and give them to your teacher, and start working on finishing your other work

1. A car is going 42.0 m/s after having accelerated at 0.850 m/s/s for the last 13.0 s. What was its initial velocity?

2. A car speeds up from 12.0 m/s to 18.0 m/s with an acceleration of 1.30 m/s/s. What is their displacement during this time?

3. A runner going 4.50 m/s covers 18.0 m in 5.00 seconds. What was their final velocity?

4. A rock falls from rest. It has a displacement of -14.0 m and an acceleration of -9.81 m/s/s. What time does it take?

5. Red Elk leaves the ten meter diving board with an upward velocity. In 1.82 s he hits the water. His displacement is -10.0 m of course, and his acceleration is -9.81 m/s/s. What was his initial upward velocity?