

Name \_\_\_\_\_

Favorite TV series \_\_\_\_\_

**Show your work, and circle your answers to receive full credit.**

1. Rilla Fordable does 312 J of work exerting 54.0 N of force for what distance?

2. What speed must a 0.458 kg hammer go to have 60.0 J of kinetic energy?

3. What is the potential energy of a 2.60 kg clock weight that is 1.45 m above its lowest point?

4. What is the kinetic energy of a 0.145 kg baseball going 40.0 m/s?

5. What distance must you stretch a 35.0 N/m spring to store exactly 5.00 J of energy?