

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Physics**  
**Hooke’s Law worksheet**

1. If a spring has a spring constant of 0.5 N/m and it is stretched 0.5 m, what is the force of the spring?
2. A spring is stretched 6 cm when a mass of 200 g is hung on it. Calculate the spring constant of this spring.
3. A spring with a spring constant of 400 N/m has a mass hung on it so that it stretches 8 cm. Calculate how much mass the spring is supporting.

NOTES: