

LAB PARTNERS: _____, _____, _____, _____

INSTRUCTIONS AND PROCEDURES WILL BE FOUND AT THE LAB STATIONS FOR EACH OF THE ACTIVITIES BELOW.

1. DARDA CAR

$$d_{\text{flag}} = \text{_____m}$$

$$t_{\text{flag}} = \text{_____s}$$

$$v_i = \text{_____m/s} \quad v_f = \text{_____m/s} \quad d = \text{_____m} \quad a = ?$$

- acceleration (show kinematics equation and method)

2. SPRING-DRIVEN CAR

$$v_i = \text{_____m/s} \quad d = \text{_____m} \quad t = \text{_____s} \quad a = ?$$

- acceleration (show kinematics equation and method)

3. HOT WHEELS CAR

$$d_{\text{flag}(i)} = \text{_____m} \quad d_{\text{flag}(f)} = \text{_____m}$$

$$t_{\text{flag}(i)} = \text{_____s} \quad t_{\text{flag}(f)} = \text{_____s}$$

$$v_i = \text{_____m/s} \quad v_f = \text{_____m/s} \quad d = \text{_____m} \quad a = ?$$

- acceleration (show kinematics equation and method)