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

**Exit Ticket-------SHOW YOUR WORK------CIRCLE/BOX YOUR ANSWER**

Speed=Distance Acceleration= Final Velocity – Initial Velocity  
 Time Time

Distance=Speed x Time

Time= Distance  
 Speed

1. If a Tesla Model S travels 400m in 3 seconds, how fast is it going?

2. How much time will it take for Batman to travel 300m across Gotham City if he’s traveling at 5.6m/s?

3. How far can you get on your sweet scooter in 3 hours if you’re traveling at a speed of 65mi/hr?

4. While traveling on his skateboard, Tyler slows down from 13m/s to 4m/s in 8 seconds. What is Tyler’s acceleration?

5. As she goes down a hill, Lilly speeds up on her bike from 14m/s to 22m/s in 5 seconds. What is her rate of acceleration?