

Name Echo

Period _____

Date 3/5/16

PHYSICS OF FLIGHT
FINAL REVIEW

1. Define or describe acceleration.

the rate in which something increases velocity or speed.

2. If you plotted velocity vs time, the slope of the line would be what?.

 linear

3. What is the equation for distance?

Vt

4. What are some of the factors that affect Lift (recall the Lift equation)?

• coefficient of lift
• surface area
• velocity

5. If it takes you 4 hours to travel 60 miles, what is your speed.

15 mph

6. If you accelerate from 0 mph to 60 mph in 10 s, what is your acceleration?

6 mph/second

7. Convert 120mph to feet/sec

176 ft/sec

8. What are the factors that affect takeoff distance?

• acceleration • weight • lift
• time • flaps • temperature

9. What did you like about this class?

• getting to use xplane • learning with friend
• kind instructors

10. What should be improved for next time?

• invite more students