## PHYSICS OF FLIGHT

## FINAL REVIEW

I. Define or describe acceleration.

Acceleration is the rate at which something increases

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

V LINEUM

3. What is the equation for distance?

d=V+

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

L= 2 SV P CL

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

60 - 15 mpn.

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

 $A = \frac{160 - 01}{110 - 01} = \frac{60}{10} = \frac{60}{60} = \frac{60}{10} =$ 

7. Convert I20mph to feet/sec

120mph -> ? +4/sec 120 . B280 636,600 = 176f+/sed

8. What are the factors that affect takeoff distance?

The Factors are:
Weight Cz P=density of our = templ pressure
Ilaps

9. What did you like about this class?

I liked being able to use Xplane and learn with friend

10. What should be improved for next time?

think you can improve nithing.