

Chapter 3

Instruments

1. Where would absolute altitude be greater than true altitude?

2. How could you easily convert indicated altitude into pressure altitude?

3. Since V_x is best angle of climb and V_y is best rate of climb, which is a lower air speed?

4. Why isn't V_A marked on the airspeed indicator?

5. What happens to V_x , V_y and best-glide (V_g) as density altitude increases?

6. Order these v-speeds from slowest to fastest: V_{NO} , V_{FE} , V_{s0} , V_A , V_X , V_Y , V_{NE} , and V_{s1} .

7. The magnetic or wet compass *lags AND leads* from the actual magnetic heading. Why?

8. Why does a properly operating directional gyro drift from the correct magnetic heading at a rate of 15° per hour?
