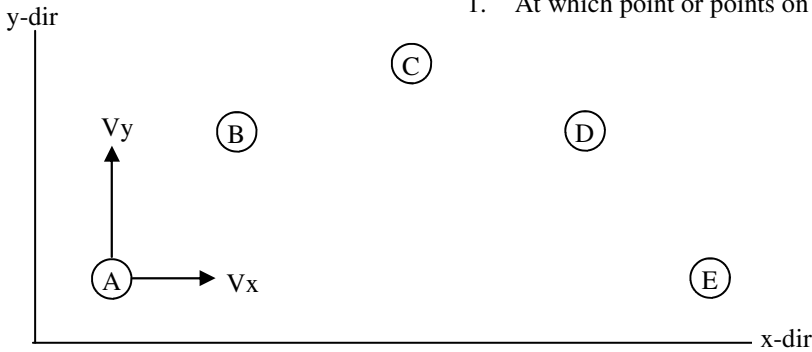


Due Fri., Sept 23

2011 PreAP Two Dimensions 6

1. At which point or points on the graph below? ("None" or "All" is also possible.)



- A. $V_x = 0$ m/s
- B. The vertical velocity is zero.
- C. The horizontal velocity is nonzero.
- D. The vertical acceleration is zero.
- E. The horizontal acceleration is zero.
- F. The vertical velocity is positive.
- G. The vertical acceleration is nonzero.
- H. The horizontal velocity is zero.
- I. The total speed is zero.
- J. The horizontal component of V is zero.

2. A projectile is launched at 30° going 110 m/s.

A. Fill in the diagram.

B. Calculate the time in the air and how far away it lands (the range).

