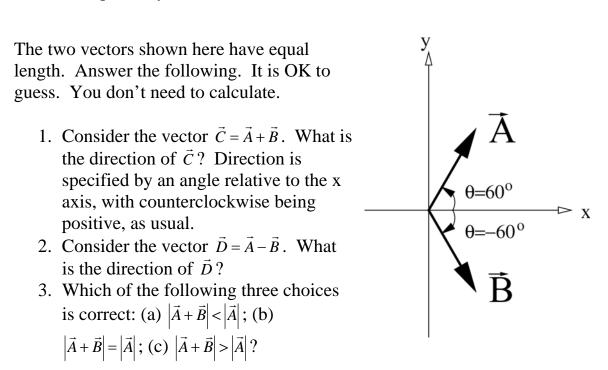
Wednesday Feb. 1, 2006 In Lecture quiz, Physics 131

Name:



Note: the notation  $|\vec{A}|$  means the magnitude (or "length") of the vector  $\vec{A}$ .

## Answers:

- 1.  $\theta = 0^{\circ}$  (because the y-components of **A** and **B** cancel under addition.)
- 2.  $\theta = 90^{\circ}$  (because the x-components of **A** and **B** cancel under subtraction.)
- 3. (b) true because the  $60^{\circ}$  angle makes the vector triangle an equilateral triangle.