Quiz #6

Consider these four events:

A. You get an A in STAT 100.
B. You get a B in STAT 100.
C. You pass all of your classes.
D. You fail all of your classes.

Which of the following is NOT true, and why not? (Your answer should contain the words “mutually exclusive”.)

1. $P(\text{A or B}) = P(\text{A}) + P(\text{B})$
2. $P(\text{A or C}) = P(\text{A}) + P(\text{C})$
3. $P(\text{A or D}) = P(\text{A}) + P(\text{D})$