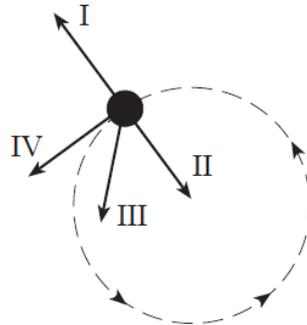


Physics 12 Review #20

#1

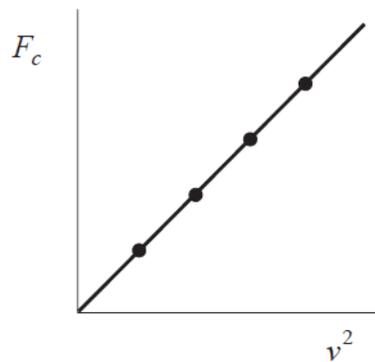
A satellite moves in a circular path at a constant speed. Which vector in the diagram below best represents the satellite's acceleration?



- A. I
- B. II
- C. III
- D. IV

#2

A student plots a graph of centripetal force F_c versus the square of velocity v^2 for an object in uniform circular motion.



What is the slope of this graph?