



## True or False?

Recall that in general the acceleration  $\vec{a} = v'\vec{T} + \kappa v^2\vec{N}$ . Suppose  $\vec{T}$  and  $\vec{N}$  are nonzero and  $\vec{a} = 2\vec{T} + 3\vec{N}$  throughout a particular motion. Which of the following could be a true statement about the motion?

- A. The speed could be constant.
- B. The motion could be along a straight line.
- C. The motion could be around a circle in space.
- D. None of the above.