On Mathematics as a Language

When we subtract a **Vector** from itself, we get zero. There are at least two ways to write this:

- 1. $\overrightarrow{A} \overrightarrow{A} = 0$
- 2. $\overrightarrow{A} \overrightarrow{A} = \overrightarrow{0}$

Which form is most correct?

- A. Form 1
- B. Form 2
- C. They are equally correct

Which car is going faster, A or B? Assume there are equal intervals of time between the frames of both movies.

Car A

Car B

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B is going faster

Three motion diagrams are shown. Which is a dust particle settling to the floor at constant speed, which is a ball dropped from the roof of a building, and which is a descending rocket slowing to make a soft landing on Mars?

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