For a balloon of volume $V(r)$, the following expression represents: $\frac{V(3) - V(1)}{3 - 1}$

A. The average rate of change of the radius with respect to the volume when the radius changes from 1 inch to 3 inches.
B. The average rate of change of the radius with respect to the volume when the volume changes from 1 cubic inch to 3 cubic inches.
C. The average rate of change of the volume with respect to the radius when the radius changes from 1 inch to 3 inches.
D. The average rate of change of the volume with respect to the radius when the volume changes from 1 cubic inch to 3 cubic inches.

---

Let $P$ be the total petroleum reservoir on earth in the year $t$. Assume that no new petroleum is being made and the $P$ is measured in barrels.

What are the units of $\frac{dP}{dt}$?

A. Gallons per year
B. Barrels
C. Barrels per year
D. Years per barrel

---

Let $P$ be the total petroleum reservoir on earth in the year $t$. Assume that no new petroleum is being made and the $P$ is measured in barrels.

What is the meaning of $\frac{dP}{dt}$?

A. There is none, for life is meaningless.
B. It is the amount of petroleum we have consumed for all time.
C. It is the amount of petroleum we consumed last year.
D. It is the average amount of petroleum consumed last year.
E. It is the amount of petroleum we are consuming right now.

---

Let $P$ be the total petroleum reservoir on earth in the year $t$. Assume that no new petroleum is being made and the $P$ is measured in barrels.

What is the sign of $\frac{dP}{dt}$?

A. It is impossible to tell.
B. Positive.
C. Negative.
D. None of the above are correct.

---

I love doing Mr. Eby's projects.

A. Yes
B. No