

Question 12.

This question has five answer choices, labeled A through E. Select the best **one** of the answer choices given.

What is the least integer n such that $\frac{1}{2^n}$ the fraction with numerator 1, and denominator 2 to the power n is less than 0.001 ?

- A. 10
- B. 11
- C. 500
- D. 501
- E. There is no such least integer.

Select and indicate the best **one** of the answer choices given.

Question 13.

This question has five answer choices, labeled A through E. Select the best **one** of the answer choices given.

In the sunshine, an upright pole 12 feet tall is casting a shadow 8 feet long. At the same time, a nearby upright pole is casting a shadow 10 feet long. If the lengths of the shadows are proportional to the heights of the poles, what is the height, in feet, of the taller pole?

- A. 10
- B. 12
- C. 14
- D. 15
- E. 18

Select and indicate the best **one** of the answer choices given.