A survey asks Colorado residents what percentage of their friends were born in Colorado.

1.   The parameter of interest in this situation is a...

(A) Proportion

(B) Mean

A survey asks Colorado residents if they were born in Colorado.

2. The parameter of interest in this situation is a...

(A) Proportion

(B) Mean

3.   Of all freshman at a large college, 16% made the dean's list in the current year. As part of a class project, students randomly sample 40 students and check if those students made the list. They repeat this 1000 times and build a distribution of sample proportions. What is the variance of this distribution?

(A) $0.16 \cdot 0.84$

(B) $0.16 \cdot 0.84/40$

(C) $0.16 \cdot 0.84/1000$

(D) None of the above

4.   True or False?

A 50% confidence interval is wider than a 95% confidence interval.

5.   Which of the following R commands would you use to find z^* for a 99% confidence interval?

(A) `pnorm(0.99)`

(B) `qnorm(0.99)`

(C) `qnorm(0.995)`

(D) None of the above