29. Chris selected 50 students at random and asked them who they want for class president. The results are shown in the table below.

Candidate	Frequency
Jessica	30
Jeremy	4
Monique	16

Which statement is true regarding the probability that at least 5 of the next 10 students interviewed will want Jeremy for president?

A. It is impossible.

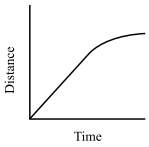
B. It is unlikely.

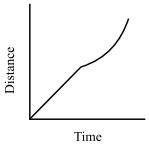
C. It is likely.

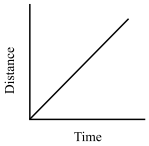
D. It is certain.

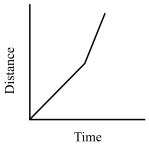
Reporting Category/Substrand for Item 29: ***Statistics and Probability*/Probability (p. 145)**

30. Kathy rode her bicycle from her house to the top of a nearby hill. First, she traveled very fast on a level road. Then, she traveled more and more slowly as she went up the hill. Which graph best shows the distance she traveled over time?

A. 

B. 

C. 

D. 

Reporting Category/Substrand for Item 30: ***Patterns, Relations, and Functions*/Patterns and Functions (p. 143)**

31. Suppose that for a **positive** number n,

$$n \div 7 = a \quad \text{and} \quad n \div 8 = b.$$

How do a and b compare?

A. $a < b$

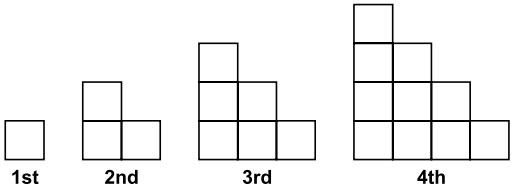
B. $a = b$

C. $a > b$

D. It depends on the value of n.

Reporting Category/Substrand for Item 31: ***Number Sense*/Number Systems and Number Theory (p. 142)**

32. Each arrangement in the pattern below is made up of square tiles.



Which expression tells how many tiles are in the *n*th arrangement of this pattern?

A. $n(n + 1)$

B. $n(n - 1)$

C. $2n - 1$

D. $\frac{n}{2}(n + 1)$

Reporting Category/Substrand for Item 32: ***Patterns, Relations, and Functions*/Algebra (p. 143)**