

NAME: _____

1. Mr. Samloski has given his math class homework every school night for four weeks. Which statement is correct about the conclusion students in his math class can make?
 - [A] They can use deductive reasoning to conclude that they will have homework on the next school night.
 - [B] They can use deductive reasoning to conclude that they will not have homework on the next school night.
 - [C] They can use inductive reasoning to conclude that they will not have homework on the next school night.
 - [D] They can use inductive reasoning to conclude that they will have homework on the next school night.
2. A number is divisible by 9 if the sum of the digits of the number is divisible by 9. Which statement is correct about the conclusion that can be made?
 - [A] Inductive reasoning can be used to determine that 156,087 is divisible by 9.
 - [B] Deductive reasoning can be used to determine that 156,087 is not divisible by 9.
 - [C] Deductive reasoning can be used to determine that 156,087 is divisible by 9.
 - [D] Inductive reasoning can be used to determine that 156,087 is not divisible by 9.
3. Blake draws several rectangles and finds that the diagonals of each rectangle bisect each other. Which statement is correct about the conclusion that Blake can make?
 - [A] He can use inductive reasoning to conclude that if he draws another rectangle, its diagonals will not bisect each other.
 - [B] He can use inductive reasoning to conclude that if he draws another rectangle, its diagonals will bisect each other.
 - [C] He can use deductive reasoning to conclude that if he draws another rectangle, its diagonals will not bisect each other.
 - [D] He can use deductive reasoning to conclude that if he draws another rectangle, its diagonals will bisect each other.

[1] D

[2] C

[3] B