1. Sylvester traps Tweety Bird in a cage and won’t let him go until he does Sylvester’s math homework. Solve for x in the equation below.

**A. -1 B. 0 C. 1 D. 2 E. NOTA**

1. Kevin comes to Tweety Bird’s rescue, but Sylvester traps Kevin in a cage too! Now Kevin must do Sylvester’s math homework to escape too. Evaluate the expression.

**A. 0 B. 9 C. 16 D. 25 E. NOTA**

Use the following information for questions 3-6 : Elmer Fudd is trying to find Bugs Bunny on the Cartesian Plane. Elmer Fudd is at the point (5,9) and Bugs Bunny is at the point (3,5).

1. What is the distance between them?

**A. 12 B. C. D. 22 E. NOTA**

1. Elmer Fudd makes a beeline for Bugs Bunny after seeing him in the distance. What is the rate of change of the line connecting Elmer and Bugs?

**A. -2 B. C. D. 2 E. NOTA**

1. Daffy Duck is standing between Elmer Fudd and Bugs Bunny. What is the midpoint of Elmer Fudd and Bugs Bunny?

**A. (1, 2) B. (4, 7) C. (5, 6) D. (5, 7) E. NOTA**

1. Daffy Duck realizes that he’s in the way of Elmer Fudd’s mad dash and starts freaking out. He cowardly runs away along the perpendicular bisector of Elmer Fudd and Daffy Duck. What is the equation of this perpendicular bisector?

**A. B. C.**

**D. E. NOTA**

1. Brandon doesn’t watch Looney Tunes because he thinks the word “TUNES” is really dumb. If the letters in “TUNES” were rearranged to form a new word (“ENUTS”, for example), Brandon would like the show. How many possible arrangements of the word “TUNES” exists, not counting “TUNES” itself?

**A. 119 B. 120 C. 121 D. 122 E. NOTA**

Questions 8-10 use the following information:

Every day, Porky Pig says “Th-Th-The, Th-Th-The, Th-Th... That's all, folks!” before falling asleep. The amount of “Th’s” Porky Pigs says triples every day, starting with 8 on the first day, then 24 on the second day, and so on.

1. How many “Th’s” does Porky say on the seventh day?

**A. 1944 B. 5832 C. 17496 D. 52488 E. NOTA**

1. Let y be the amount of times Porky Pig says “Th” and x be the day. Which equation models Porky Pig’s stutters per day?

**A. B. C.**

**D. E. NOTA**

1. Which of the following is true about the relationship between the number of days and Porky Pig’s stutters?

I. The relationship is linear.

II. The relationship is positive.

III. As the number of weeks approaches infinity, the number of stutters approaches infinity.

**A. I only B. II only C. I and II D. II and III E. NOTA**

1. Porky Pig has an important appointment at Looney Tunes Studios in 3 hours and 6 minutes, but Townsend is holding him up with terrible jokes, each joke taking 3 minutes to tell. It takes 30 minutes for Porky to travel to Looney Tunes Studios. What is the maximum amount of jokes Townsend can tell so Porky is not late to his meeting?

**A. 52 B. 26 C. 13 D. 2 E. NOTA**

1. Wile E. Coyote straps himself to a rocket to catch the Road Runner. The Road Runner is running away at a constant speed of 12 miles per hour, while Wile E. Coyote is flying on his rocket towards the Road Runner at a constant speed of 50 miles per hour. If the Road Runner is currently 1 mile away from Wile E. Coyote, how long, in minutes, will it take for Wile to catch up to the Road Runner?

**A. B. C. D. E. NOTA**

1. Bugs Bunny has an insatiable appetite for carrots. He eats 1 carrot on June 1st, 2 carrots on June 2nd, 4 carrots on June 3rd, and so on, doubling the amount of carrots he eats each day. What is the first day in which the total number of carrots he eats in the month of June exceeds 1,000?

**A. June 9 B. June 10 C. June 11 D. June 12 E. NOTA**

1. Marvin the Martian needs to locate Earth in order to destroy it. He solves the systems of equations to find Earth at a point (x, y) in space.

What is the value of ?

**A. 90 B. 45 C. -45 D. -90 E. NOTA**

1. Yosemite Sam hates to distribute. Distribute .

**A. B. C. D. 4x2 – 6x + 9 E. NOTA**

1. Bugs Bunny tells Andrew that he can beat Andrew in a race. They decide to race on a 400-meter track. Bugs runs at a constant speed of 180 meters per minute, while Andrew runs at 260 meters per minute. They start at the same location on the track. After the start of the race, when Andrew first “laps” Bugs, how much time will have elapsed, in hours? (Andrew will have lapped Bugs after passing Bugs on the track for the first time after the start of the race.)

**A. B. C. D. E. NOTA**

1. Gossamer is investigating the properties of a certain polynomial that Brandon showed him:  
   What is the degree of this polynomial?

**A. 4 B. 5 C. 6 D. 7 E. NOTA**

1. With its degree in mind, how would you label Gossamer’s polynomial from question 17?

**A. Hectic B. Quartic C. Septic D. Sextic E. NOTA**

1. It takes Elmer Fudd 4 minutes to make a “Duck Season” sign, and 6 minutes to make a “Rabbit Season” sign. If Elmer spent exactly 1 hour and 36 minutes making 19 signs, what is the positive difference between the number of “Duck Season” and “Rabbit Season” signs he made?

**A. 1 B. 3 C. 9 D. 10 E. NOTA**

1. Daffy Duck is playing “Two Truths and a Lie” with Jennifer and Victoria. Here are his three statements:

1. I am telling the truth

2. Statement 1 is a lie.

3. Statement 2 is a lie.

Two of the statements are true. What statement is the lie?

**A. #1 B. #2 C. #3**

**D. Daffy cheated, there is no way he could have told two truths and a lie. E. NOTA**

1. Marvin the Martian is planning to take over the world with his Super-Mega-Laser-Gun. In order to use this Laser-Gun, he must be able to find (x, y) that satisfy the system of equations.

For what value of will the system be unsolvable, thwarting Marvin’s plans to take over the world?

**A. 3 B. 4 C. 5 D. 6 E. NOTA**

1. As Elmer Fudd knows quite well, the world is full of inequality, especially when he is trying to catch Bugs Bunny. What are the possible values of x that satisfy both inequalities?

**A. -8 < x < -2 B. x < -2 or x > 8 C. x < -2 D. no solutions**

**E. NOTA**

1. Tweety Bird is trying to outrun Sylvester. Tweety Bird can only run at 5 miles per hour while Sylvester can run at 10 miles per hour. If Tweety Bird has a 24-minute head start and they both run in the same direction, how long will it take for Sylvester to catch Tweety Bird?

**A. 6 minutes B. 12 minutes C. 24 minutes D. 36 minutes**

**E. NOTA**

1. Pepe Le Pew draws marbles from his marble bucket to determine whether Penelope Pussycat loves him. His marble bucket contains red, blue, and green marbles; drawing a red marble means that Penelope Pussycat loves Pepe Le Pew. Pepe’s marble bucket originally has twice as many blue marbles as red marbles, and three times as many green marbles as blue marbles. Pepe Le Pew then takes out half of the green marbles in the bucket to increase her chances of drawing a red marble. If Pepe now draws one marble from his marble bucket, at random, what is the probability that he draws a red marble, thus making certain that Penelope Pussycat loves him?

**A. B. C. D. E. NOTA**

1. Slow Rodriguez is trying to become as fast as Speedy Gonzales. Speedy Gonzales can run at 30 miles per hour and Slow Rodriguez can only run at 2 miles per hour. If Speedy Gonzales doesn’t get any faster and Speedy Rodriguez improves by 7 miles per hour every day, how long will it take for Slow Rodriguez to be as fast as Speedy Gonzales?

**A. 1 day B. 2 days C. 3 days D. 4 days E. NOTA**

1. Barnyard Dawg is getting hit in the face. Every hit, his face gets hammered in 2 inches. However, he has a survival tactic: After his face is hammered in 8 inches, his face goes back to normal (i.e., it is not hammered in anymore). If Barnyard Dawg gets hit 10 times, how hammered in will his face be?

**A. 0 inches B. 2 inches C. 4 inches D. 6 inches E. NOTA**

1. Barnyard Dawg has improved his survival skills and now his face goes back to normal after it is hammered in just 6 inches. If Barnyard Dawg gets hit 10 times, how hammered in will his face be now?

**A. 0 inches B. 2 inches C. 4 inches D. 5 inches E. NOTA**

1. Sylvester Junior has come in town to visit Sylvester. When he arrives at Sylvester’s house, Sylvester sees the following message scrawled on the front door: “Moved out. The commute to work was too long.” Which of the following equations is not an example of the commutative property?

**A. B.**

**C. D.**

**E. NOTA**

1. Daffy Duck is being disintegrated by Marvin the Martian’s disintegration beam. The number of pounds he weighs at any time after he was struck with the beam is represented by the following equation,



where, *t* is the number of seconds after he was struck with the beam. At the time when Daffy weighs exactly 2.5 pounds, how many minutes have transpired since he was struck with the disintegration beam?

**A. 4 B.  C.  D. 30 E. NOTA**

1. Hector the Bullfrog is hopping around the edges of a rectangular yard with a perimeter of 80 feet. Hector can hop a total of 2512 feet before getting tired. How many full trips can Hector make around the yard before getting tired?

**A. 30 B. 31 C. 32 D. 33 E. NOTA**