

TEST NAME: **NAMSIM11314A-SSE.3**  
TEST ID: **130099**  
GRADE: **09**  
SUBJECT: **Mathematics**  
TEST CATEGORY: **My Classroom**

Student: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1. What are the zeros of the function defined by  $4x^2 + 13x - 35$ ?

A.  $-17\frac{1}{2}, \frac{1}{2}$

B.  $-1\frac{1}{4}, 7$

C.  $1\frac{1}{2}, 3\frac{1}{2}$

D.  $1\frac{3}{4}, -5$

2. What is the value of the larger zero of the function defined by  $f(x) = 2x^2 + 7x - 4$ ?

A.  $\frac{1}{4}$

B.  $\frac{1}{2}$

C. 2

D. 4

3. Which value is a zero of the function defined by  $x^2 + 4x - 252$ ?

A. 9

B. 12

C. 14

D. 21

4. A quadratic function has zeros of 2 and 9. Which expression could define the function?
- A.  $x^2 + 18x + 11$
  - B.  $x^2 + 11x + 18$
  - C.  $x^2 - 11x + 18$
  - D.  $x^2 - 18x + 11$
5. What are the zeros of the function defined by  $x^2 - 16$ ?
- A. -16 and 1
  - B. -8 and 2
  - C. -4 and 4
  - D. -2 and 8
6. What are the zeros of the function defined by  $x^2 - 2x - 15$ ?
- A. -5, -3
  - B. -5, 3
  - C. -3, 5
  - D. 3, 5
7. What are the zeros of the function defined by  $x^2 - 5x - 24$ ?
- A. -8, -3
  - B. -8, 3
  - C. -3, 8
  - D. 3, 8

8. What are the zeros of the function defined by  $6x^2 + 7x - 5$ ?

A.  $\frac{1}{3}, \frac{-5}{2}$

B.  $\frac{-1}{3}, \frac{5}{2}$

C.  $\frac{5}{3}, \frac{-1}{2}$

D.  $\frac{-5}{3}, \frac{1}{2}$

9. Which expression defines a function that has zeros at 4 and  $-3$ ?

A.  $x^2 - x - 12$

B.  $x^2 + x - 12$

C.  $x^2 - 7x - 12$

D.  $x^2 + 4x - 3$

10. What are the zeros of the function defined by  $y = x^2 + 9x + 14$ ?

A.  $-7, -2$

B.  $-7, 2$

C.  $-2, 7$

D.  $2, 7$

11. What are the zeros of the function defined by  $2x^2 - 50$ ?

A.  $-\frac{1}{25}, \frac{1}{25}$

B.  $-5, 5$

C.  $-10, 10$

D.  $-25, 25$

12. What are the zeros of the function defined by  $y = x^2 + 6x + 5$ ?

- A. 5, 1
- B. 2, 3
- C. -2, -3
- D. -5, -1

13. Which value is a zero of the function defined by  $6x^2 + 6x - 36$ ?

- A. 2
- B. 3
- C. 4
- D. 9

14. What are the zeros of the function defined by  $2x^2 + 11x - 6$ ?

- A.  $-6, \frac{1}{2}$
- B.  $6, -\frac{1}{2}$
- C.  $-2, -\frac{3}{2}$
- D.  $2, \frac{3}{2}$

15. What are the zeros of the function defined by  $2x^2 + 7x + 3$ ?

- A.  $-3, -\frac{1}{2}$
- B.  $-3, \frac{1}{2}$
- C.  $3, -\frac{1}{2}$
- D.  $3, \frac{1}{2}$

16. What are the zeros of the function defined by  $y = 3x^2 - 2x - 5$ ?

A.  $1, \frac{-5}{3}$

B.  $-1, \frac{5}{3}$

C.  $5, \frac{1}{3}$

D.  $-5, \frac{-1}{3}$

17. What is the value of the larger zero of the function defined by  $x^2 + 12x + 27$ ?

A. 9

B. 3

C. -3

D. -9

18. What are the zeros of the function defined by  $y = 6x^2 + 10x - 4$ ?

A.  $-2, \frac{-1}{3}$

B.  $-2, \frac{1}{3}$

C.  $2, \frac{-1}{3}$

D.  $2, \frac{1}{3}$