



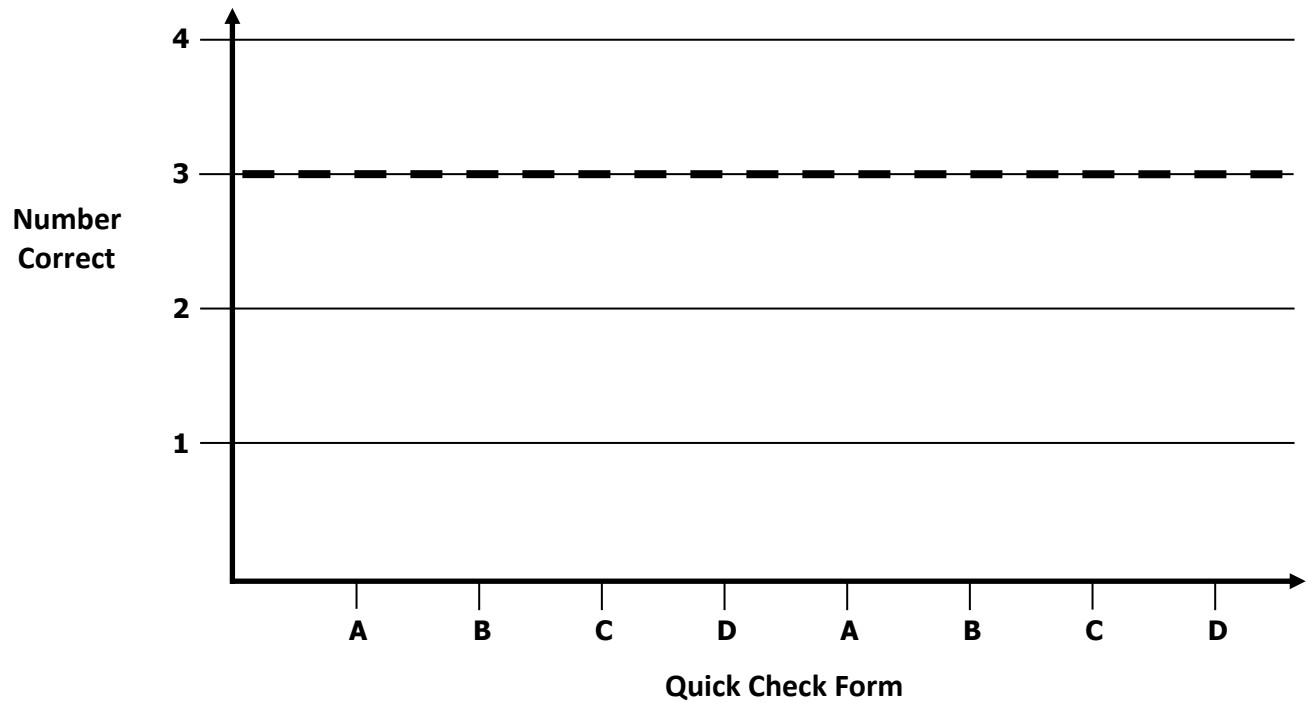
# Algebra 2 Growth Chart

Readiness Standard 2 - A.SSE.3a

Name \_\_\_\_\_

**Learning Target:** I will factor quadratic expressions to reveal the zeros of a function.

**Goal:** 3 out of 4 correct



Intervention	Date	Score



# Quick Check – Form A

Readiness Standard 2 - A.SSE.3a

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will factor quadratic expressions to reveal the zeros of a function.

**Directions:** Circle the answer(s) to each question. (Work time: 4 minutes)

1. The area model below represents the expression  $x^2 + 7x + 10$ .  
What are the factors of the expression?

$+x^2$	$x$	$x$	$x$	$x$	$x$
$+x$	$+1$	$+1$	$+1$	$+1$	$+1$
$+x$	$+1$	$+1$	$+1$	$+1$	$+1$

Factors: \_\_\_\_\_ and \_\_\_\_\_

2. Factor the expression.

$$x^2 + 2x - 15$$

Factors: \_\_\_\_\_ and \_\_\_\_\_

3. Find the zeros of the function.

$$f(x) = x^2 + 2x - 15$$

Zeros: \_\_\_\_\_ and \_\_\_\_\_

4. Find the zeros of the function.

$$f(x) = x^2 + 7x + 10$$

Zeros: \_\_\_\_\_ and \_\_\_\_\_



# Quick Check – Form B

Readiness Standard 2 - A.SSE.3a

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will factor quadratic expressions to reveal the zeros of a function.

**Directions:** Circle the answer(s) to each question. (Work time: 4 minutes)

1. The area model below represents the expression  $x^2 + 8x + 12$ .  
What are the factors of the expression?

$+x^2$	$x$	$x$	$x$	$x$	$x$
$+x$	$+1$	$+1$	$+1$	$+1$	$+1$
$+x$	$+1$	$+1$	$+1$	$+1$	$+1$
$+x$	$+1$	$+1$	$+1$	$+1$	$+1$

Factors: \_\_\_\_\_ and \_\_\_\_\_

2. Factor the expression.

$$x^2 + 4x - 12$$

Factors: \_\_\_\_\_ and \_\_\_\_\_

3. Find the zeros of the function.

$$f(x) = x^2 + 4x - 12$$

Zeros: \_\_\_\_\_ and \_\_\_\_\_

4. Find the zeros of the function.

$$f(x) = x^2 + 10x + 16$$

Zeros: \_\_\_\_\_ and \_\_\_\_\_



# Quick Check – Form C

Readiness Standard 2 - A.SSE.3a

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will factor quadratic expressions to reveal the zeros of a function.

**Directions:** Circle the answer(s) to each question. (Work time: 4 minutes)

1. The area model below represents the expression  $x^2 + 6x + 5$ .  
What are the factors of the expression?

$+x^2$	$x+$	$x+$	$x+$	$x+$	$x+$
$+x$	$+1$	$+1$	$+1$	$+1$	$+1$

Factors: \_\_\_\_\_ and \_\_\_\_\_

2. Factor the expression.

$$x^2 - 2x - 15$$

Factors: \_\_\_\_\_ and \_\_\_\_\_

3. Find the zeros of the function.

$$f(x) = x^2 - 2x - 15$$

Zeros: \_\_\_\_\_ and \_\_\_\_\_

4. Find the zeros of the function.

$$f(x) = x^2 + 8x + 12$$

Zeros: \_\_\_\_\_ and \_\_\_\_\_



# Quick Check – Form D

Readiness Standard 2 - A.SSE.3a

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will factor quadratic expressions to reveal the zeros of a function.

**Directions:** Circle the answer(s) to each question. (Work time: 4 minutes)

1. The area model below represents the expression  $x^2 + 5x + 6$ .  
What are the factors of the expression?

$+x^2$	$+x$	$+x$	$+x$
$+x$	$+1$	$+1$	$+1$
$+x$	$+1$	$+1$	$+1$

Factors: \_\_\_\_\_ and \_\_\_\_\_

2. Factor the expression.

$$x^2 - 4x - 12$$

Factors: \_\_\_\_\_ and \_\_\_\_\_

3. Find the zeros of the function.

$$f(x) = x^2 - 4x - 12$$

Zeros: \_\_\_\_\_ and \_\_\_\_\_

4. Find the zeros of the function.

$$f(x) = x^2 + 9x + 18$$

Zeros: \_\_\_\_\_ and \_\_\_\_\_