Quick Check – Form A

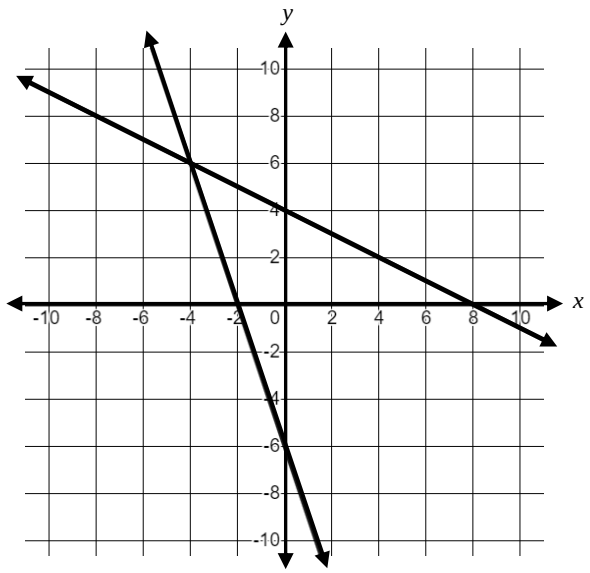
Readiness Standard 1 - A.REI.6

Name_____ Date_____

Learning Target: I will solve systems of equations.

Directions: Find the solution to each system of equations. (Work time: 5 minutes)

1. $y = -\frac{1}{2}x + 4$ and $y = -3x - 6$



Solution: (_____, _____)

2. $y = 3x$ and $y = 7x + 20$

Solution: (_____, _____)

3. $4x + y = 22$ and $2x - y = 8$

x-coordinate of the solution: (_____)

4. $x - 3y = -11$ and $-x + 7y = 31$

y-coordinate of the solution: (_____)

Quick Check – Form B

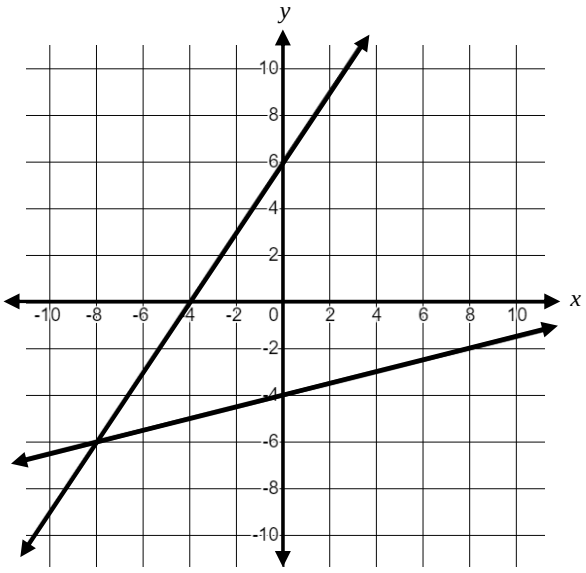
Readiness Standard 1 - A.REI.6

Name_____ Date_____

Learning Target: I will solve systems of equations.

Directions: Find the solution to each system of equations. (Work time: 5 minutes)

1. $y = \frac{3}{2}x + 6$ and $y = \frac{1}{4}x - 4$



Solution: (_____, _____)

2. $y = -4x$ and $y = 8x + 24$

Solution: (_____, _____)

3. $7x + y = 45$ and $-3x - y = -21$

x-coordinate of the solution: (_____, _____)

4. $x - 3y = 15$ and $-x + 2y = 5$

y-coordinate of the solution: (_____, _____)

Quick Check – Form C

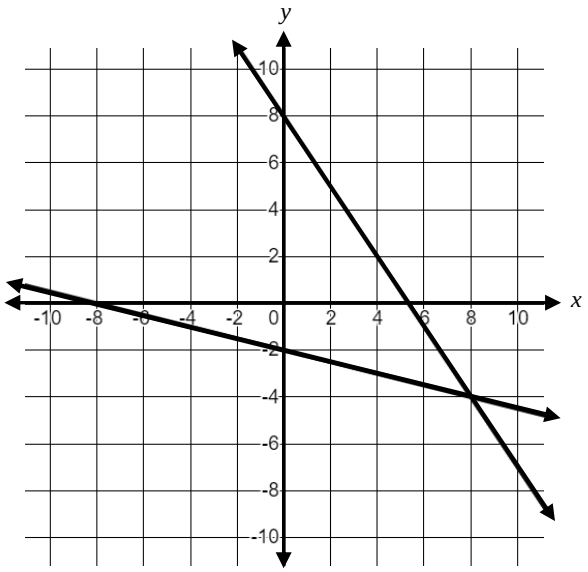
Readiness Standard 1 - A.REI.6

Name_____ Date_____

Learning Target: I will solve systems of equations.

Directions: Find the solution to each system of equations. (Work time: 5 minutes)

1. $y = -\frac{3}{2}x + 8$ and $y = -\frac{1}{4}x - 2$



Solution: (_____, _____)

2. $y = 4x$ and $6x - y = 12$

Solution: (_____, _____)

3. $5x + y = 14$ and $3x - y = 2$

x-coordinate of the solution: (_____, _____)

4. $-x - 4y = -22$ and $x + 6y = 32$

y-coordinate of the solution: (_____, _____)

Quick Check – Form D

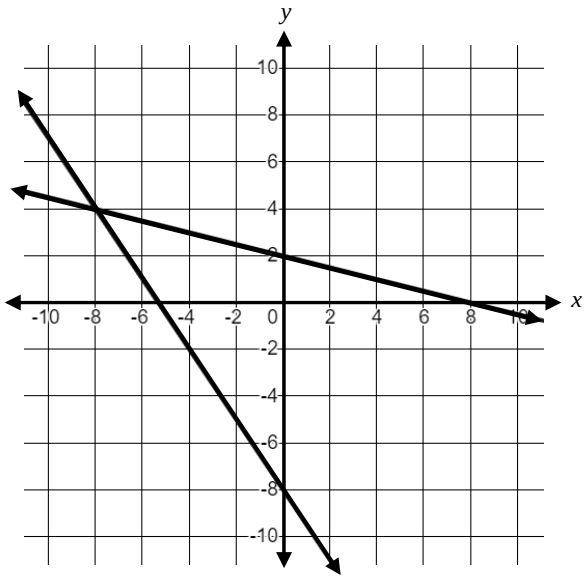
Readiness Standard 1 - A.REI.6

Name_____ Date_____

Learning Target: I will solve systems of equations.

Directions: Find the solution to each system of equations. (Work time: 5 minutes)

1. $y = -\frac{1}{4}x + 2$ and $y = -\frac{3}{2}x - 8$



Solution: (_____, _____)

2. $y = -3x$ and $y = 5x + 24$

Solution: (_____, _____)

3. $3x + y = -10$ and $-5x - y = 18$

x-coordinate of the solution: (_____, _____)

4. $-x + 3y = 2$ and $x + 5y = 22$

y-coordinate of the solution: (_____, _____)

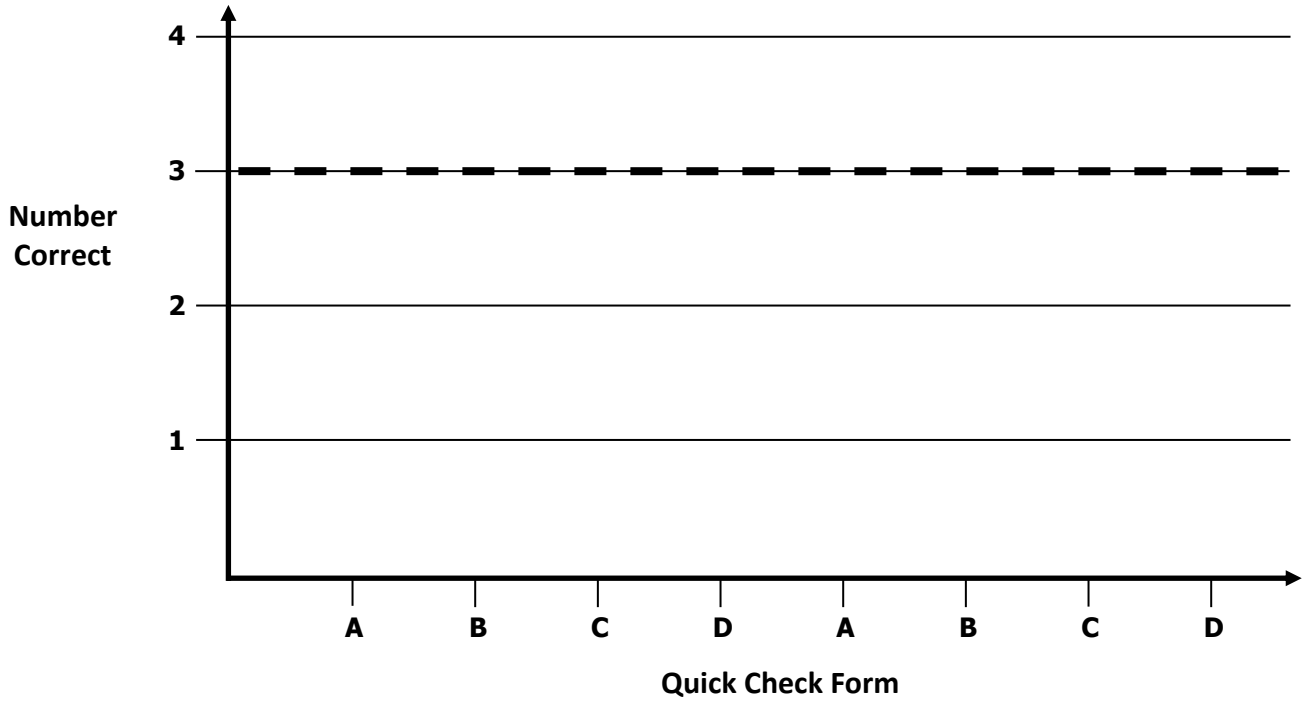
Algebra 2 Growth Chart

Readiness Standard 1 - A.REI.6

Name_____

Learning Target: I will solve systems of equations.

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?

Length

Width

	$+x^2$	$+x$	$+x$	$+x$	$+x$	$+x$
$+x$	+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 $x^2 + 7x + 12$.
What are the factors of the expression?

Length

Width

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

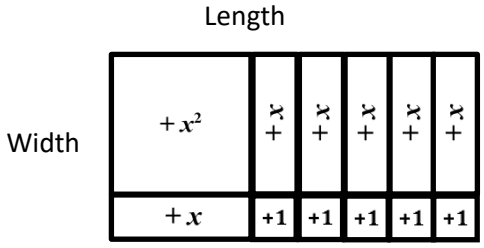
Readiness Standard 2 - A.SSE.3a

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?



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

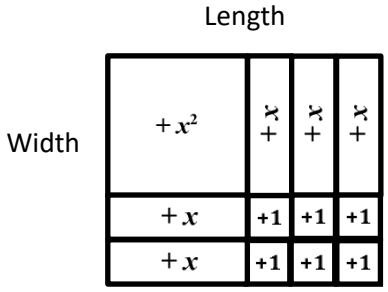
Readiness Standard 2 - A.SSE.3a

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?



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 _____

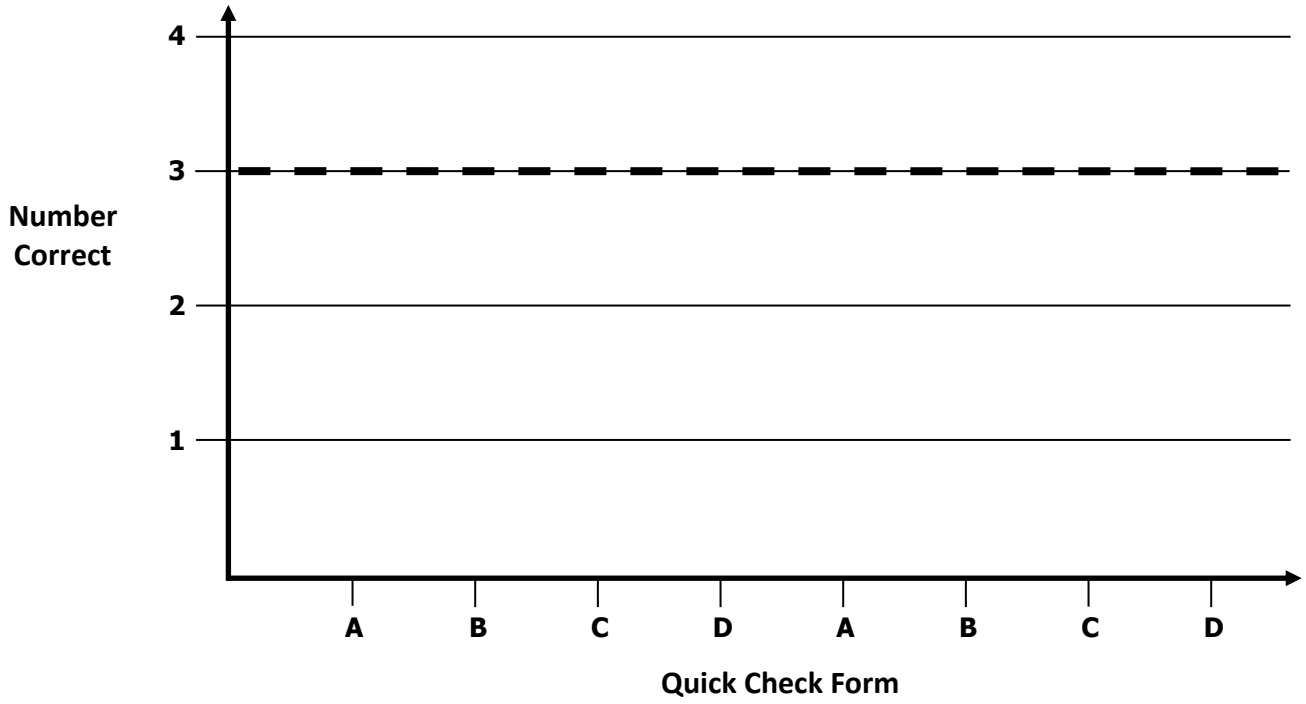
Algebra 2 Growth Chart

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

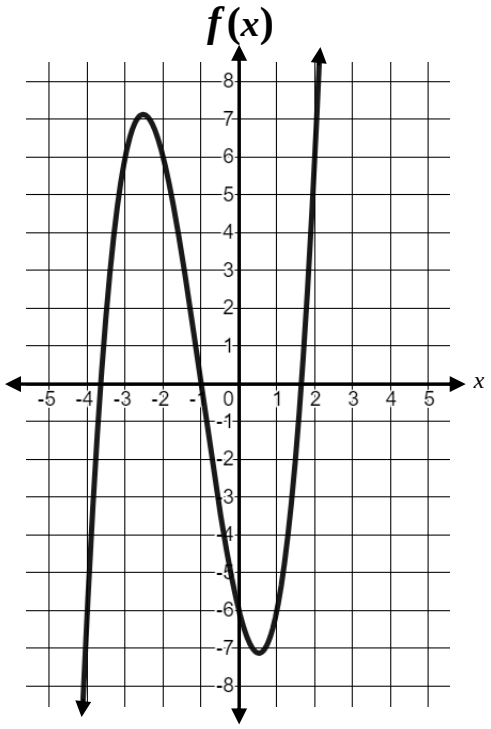
Readiness Standard 3 – F.IF.2

Name_____ Date_____

Learning Target: I will evaluate linear and non-linear functions.

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

Use the graph to find each value of $f(x)$.



1. $f(0)$ = _____

2. $f(-2)$ = _____

3. $f(1)$ = _____

4. For the function $g(x) = x + 5$,
find the value of $g(-3)$.

Answer: _____

5. For the function $h(x) = x^2 - 6$,
find the value of $h(-4)$.

Answer: _____

Quick Check – Form B

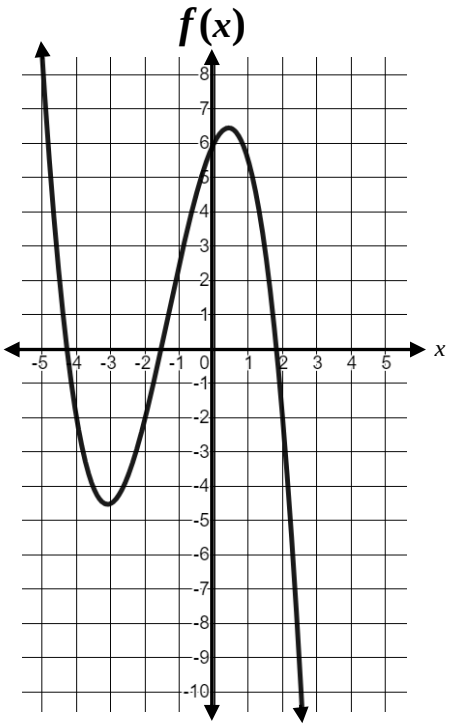
Readiness Standard 3 – F.IF.2

Name_____ Date_____

Learning Target: I will evaluate linear and non-linear functions.

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

Use the graph to find each value of $f(x)$.



1. $f(0)$ = _____

2. $f(2)$ = _____

3. $f(-4)$ = _____

3. For the function $g(x) = x - 6$,
find the value of $g(4)$.

Answer: _____

4. For the function $h(x) = x^2 + 7$,
find the value of $h(-5)$.

Answer: _____

Quick Check – Form C

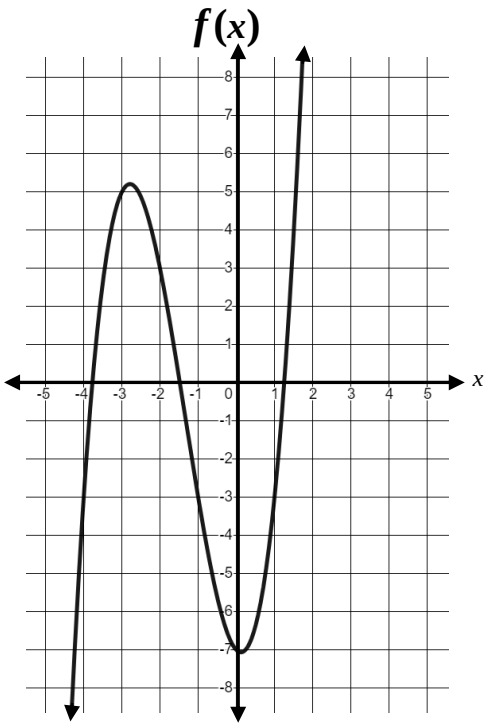
Readiness Standard 3 – F.IF.2

Name_____ Date_____

Learning Target: I will evaluate linear and non-linear functions.

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

Use the graph to find each value of $f(x)$.



1. $f(0)$ = _____

2. $f(-3)$ = _____

3. $f(1)$ = _____

3. For the function $g(x) = x + 7$,
find the value of $g(-2)$.

Answer: _____

4. For the function $h(x) = x^2 - 8$,
find the value of $h(-6)$.

Answer: _____

Quick Check – Form D

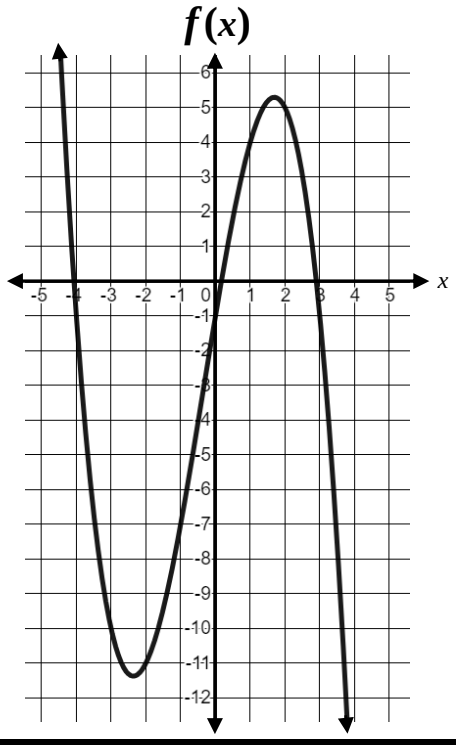
Readiness Standard 3 – F.IF.2

Name_____ Date_____

Learning Target: I will evaluate linear and non-linear functions.

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

Use the graph to find each value of $f(x)$.



1. $f(0)$ = _____

2. $f(1)$ = _____

3. $f(-2)$ = _____

3. For the function $g(x) = x - 8$, find the value of $g(5)$.

Answer: _____

4. For the function $h(x) = x^2 + 9$, find the value of $h(-7)$.

Answer: _____

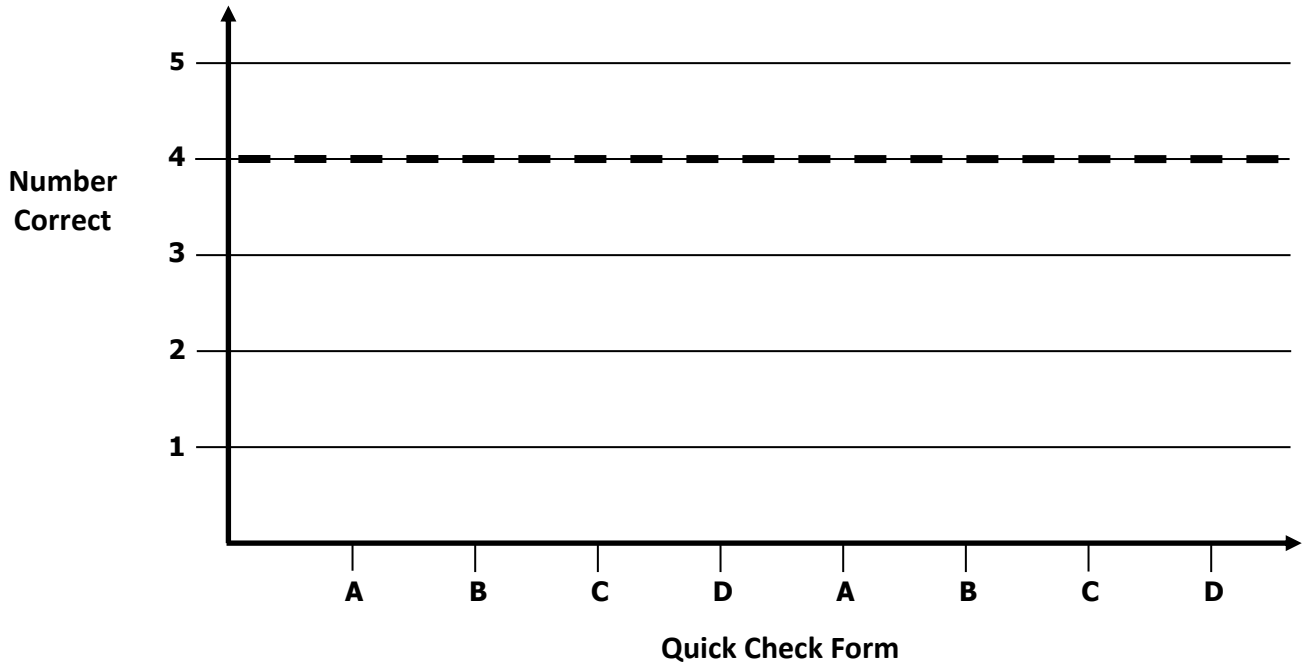
Algebra 1 Growth Chart

Readiness Standard 3 - F.IF.2

Name_____

Learning Target: I will evaluate linear and non-linear functions.

Goal: 4 out of 5 correct



Intervention	Date	Score

Quick Check – Form A

Readiness Standard 4 – F.LE.1

Name_____ Date_____

Learning Target: I will determine if a function is linear or non-linear. (Work time: 4 minutes)

1. Given the function provided in the table, circle the answer choice that makes the statement true.

x	0	1	2	3	5
$f(x)$	1	3	5	7	9

"The function represented in the table is _____."

- linear because the values of x and $f(x)$ always change at a constant rate
- linear because the values of x and $f(x)$ do not always change at a constant rate
- non-linear because the values of x and $f(x)$ always change at a constant rate
- non-linear because the values of x and $f(x)$ do not always change at a constant rate

2. Given the function provided in the table, circle the answer choice that makes the statement true.

x	-1	0	1	2	4
$g(x)$	6	3	0	-3	-9

"The function represented in the table is _____."

- linear because the values of x and $g(x)$ always change at a constant rate
- linear because the values of x and $g(x)$ do not always change at a constant rate
- non-linear because the values of x and $g(x)$ always change at a constant rate
- non-linear because the values of x and $g(x)$ do not always change at a constant rate

3. Circle all of the linear functions.

$f(x) = x^3 + 4$ $g(x) = 3x + 4$ $h(x) = 3^x + 4$ $k(x) = x$

4. Circle all of the non-linear functions.

$p(x) = x^2 + 7$ $q(x) = 2x + 7$ $r(x) = 2^x + 7$ $s(x) = x$

Quick Check – Form B

Readiness Standard 4 – F.LE.1

Name_____ Date_____

Learning Target: I will determine if a function is linear or non-linear. (Work time: 4 minutes)

1. Given the function of $f(x)$ provided in the table, circle the answer choice that makes the statement true.

x	0	1	2	3	5
$f(x)$	8	6	4	2	0

"The function represented in the table is _____."

- linear because the values of x and $f(x)$ do not always change at a constant rate
- linear because the values of x and $f(x)$ always change at a constant rate
- non-linear because the values of x and $f(x)$ do not always change at a constant rate
- non-linear because the values of x and $f(x)$ always change at a constant rate

2. Given the function of $f(x)$ provided in the table, circle the answer choice that makes the statement true.

x	-1	0	1	2	4
$f(x)$	2	4	6	8	10

"The function represented in the table is _____."

- non-linear because the values of x and $g(x)$ do not always change at a constant rate
- non-linear because the values of x and $g(x)$ always change at a constant rate
- linear because the values of x and $g(x)$ do not always change at a constant rate
- linear because the values of x and $g(x)$ always change at a constant rate

3. Circle all of the linear functions.

$f(x) = 4x + 5$ $g(x) = x^4 + 5$ $h(x) = x$ $k(x) = 4^x + 5$

4. Circle all of the non-linear functions.

$p(x) = x^2 + 3$ $q(x) = 2x + 3$ $r(x) = 2^x + 3$ $s(x) = x$

Quick Check – Form C

Readiness Standard 4 – F.LE.1

Name_____ Date_____

Learning Target: I will determine if a function is linear or non-linear. (Work time: 4 minutes)

1. Given the function of $f(x)$ provided in the table, circle the answer choice that makes the statement true.

x	0	1	2	3	5
$f(x)$	-4	0	4	8	16

"The function represented in the table is _____."

- linear because the values of x and $f(x)$ do not always change at a constant rate
- linear because the values of x and $f(x)$ always change at a constant rate
- non-linear because the values of x and $f(x)$ always change at a constant rate
- non-linear because the values of x and $f(x)$ do not always change at a constant rate

2. Given the function of $f(x)$ provided in the table, circle the answer choice that makes the statement true.

x	-2	-1	0	1	4
$f(x)$	-4	0	4	8	20

"The function represented in the table is _____."

- non-linear because the values of x and $g(x)$ do not always change at a constant rate
- non-linear because the values of x and $g(x)$ always change at a constant rate
- linear because the values of x and $g(x)$ do not always change at a constant rate
- linear because the values of x and $g(x)$ always change at a constant rate

3. Circle all of the linear functions.

$f(x) = x^3 + 4$ $g(x) = 3x + 4$ $h(x) = 3^x + 4$ $k(x) = x$

4. Circle all of the non-linear functions.

$p(x) = x^2 + 7$ $q(x) = 2x + 7$ $r(x) = 2^x + 7$ $s(x) = x$

Quick Check – Form D

Readiness Standard 4 – F.LE.1

Name_____ Date_____

Learning Target: I will determine if a function is linear or non-linear. (Work time: 4 minutes)

1. Given the function of $f(x)$ provided in the table, circle the answer choice that makes the statement true.

x	-1	0	1	2	4
$f(x)$	-5	-3	-1	1	3

"The function represented in the table is _____."

- non-linear because the values of x and $f(x)$ always change at a constant rate
- non-linear because the values of x and $f(x)$ do not always change at a constant rate
- linear because the values of x and $f(x)$ always change at a constant rate
- linear because the values of x and $f(x)$ do not always change at a constant rate

2. Given the function of $f(x)$ provided in the table, circle the answer choice that makes the statement true.

x	0	1	2	3	5
$f(x)$	5	3	1	-1	-5

"The function represented in the table is _____."

- non-linear because the values of x and $g(x)$ always change at a constant rate
- non-linear because the values of x and $g(x)$ do not always change at a constant rate
- linear because the values of x and $g(x)$ always change at a constant rate
- linear because the values of x and $g(x)$ do not always change at a constant rate

3. Circle all of the linear functions.

$f(x) = 4x$ $g(x) = x^4 + 5$ $h(x) = x + 4$ $k(x) = 4^x + 5$

4. Circle all of the non-linear functions.

$p(x) = x^2 + 6$ $q(x) = 2x + 6$ $r(x) = x + 6$ $s(x) = 2^x$

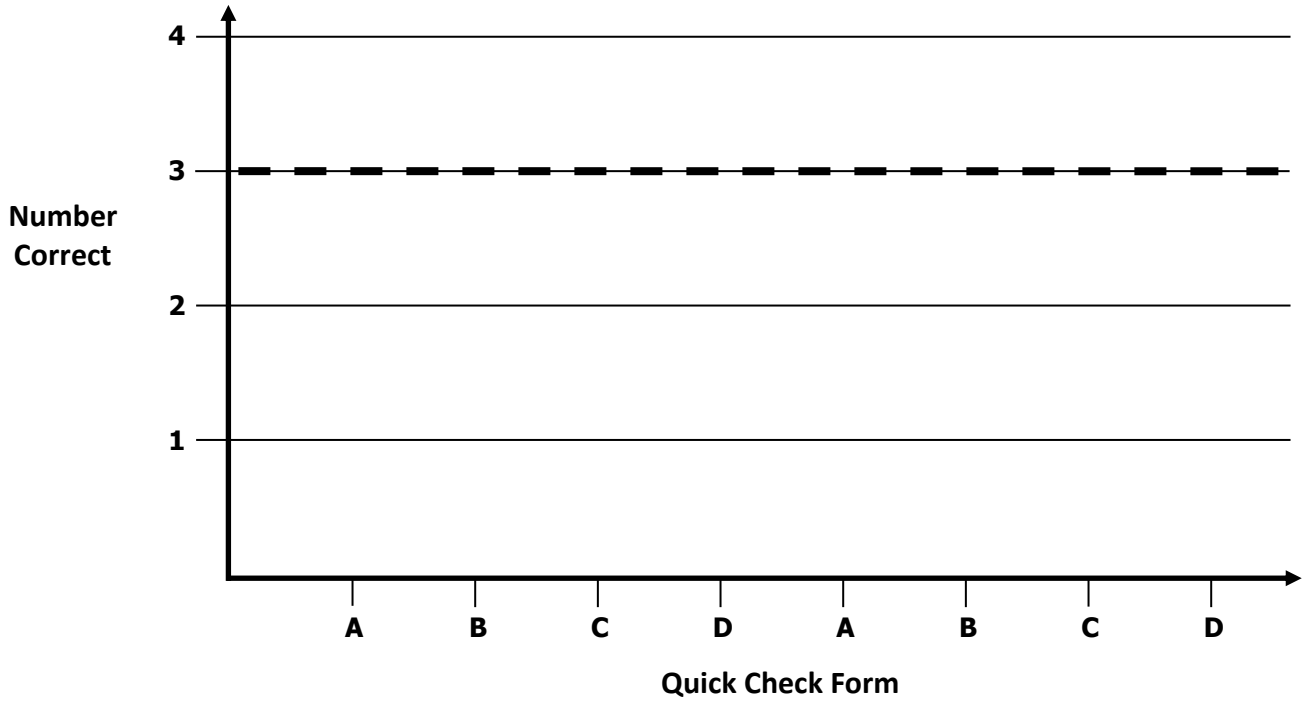
Algebra 2 Growth Chart

Readiness Standard 4 - F.LE.1

Name_____

Learning Target: I will determine if a function is linear or non-linear.

Goal: 3 out of 4 correct



Intervention	Date	Score

Quick Check – Form A

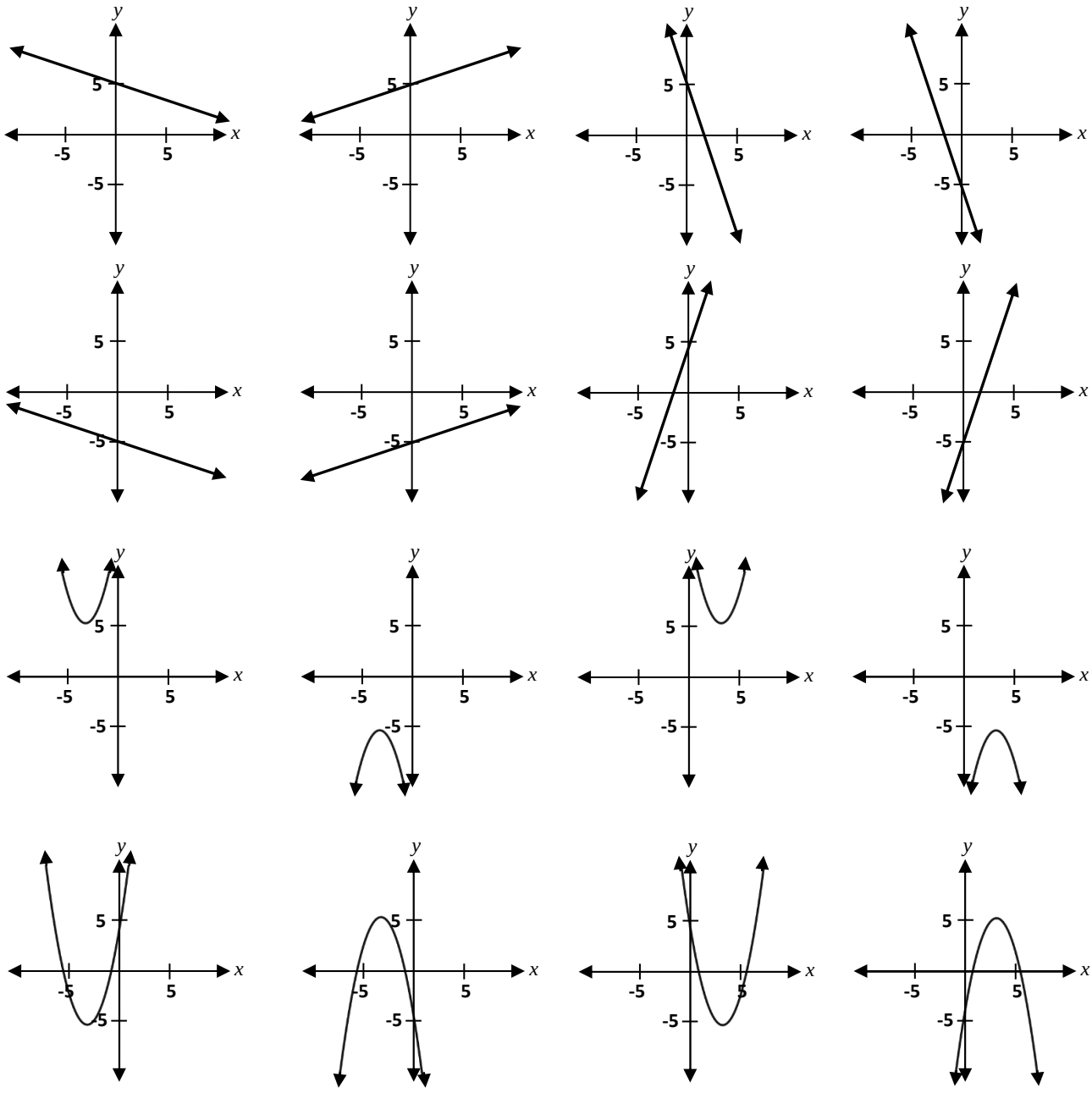
Readiness Standard 5 - A.CED.2

Name_____ Date_____

Learning Target: I will identify the graph of linear and non-linear functions. (Work time: 5 minutes)

Directions: Find and label the graph that represents each function. (Note: 12 graphs will not be labeled!)

1. $f(x) = -3x + 5$ **2.** $g(x) = \frac{1}{3}x - 5$ **3.** $h(x) = (x + 3)^2 - 5$ **4.** $j(x) = -(x - 3)^2 + 5$



Quick Check – Form B

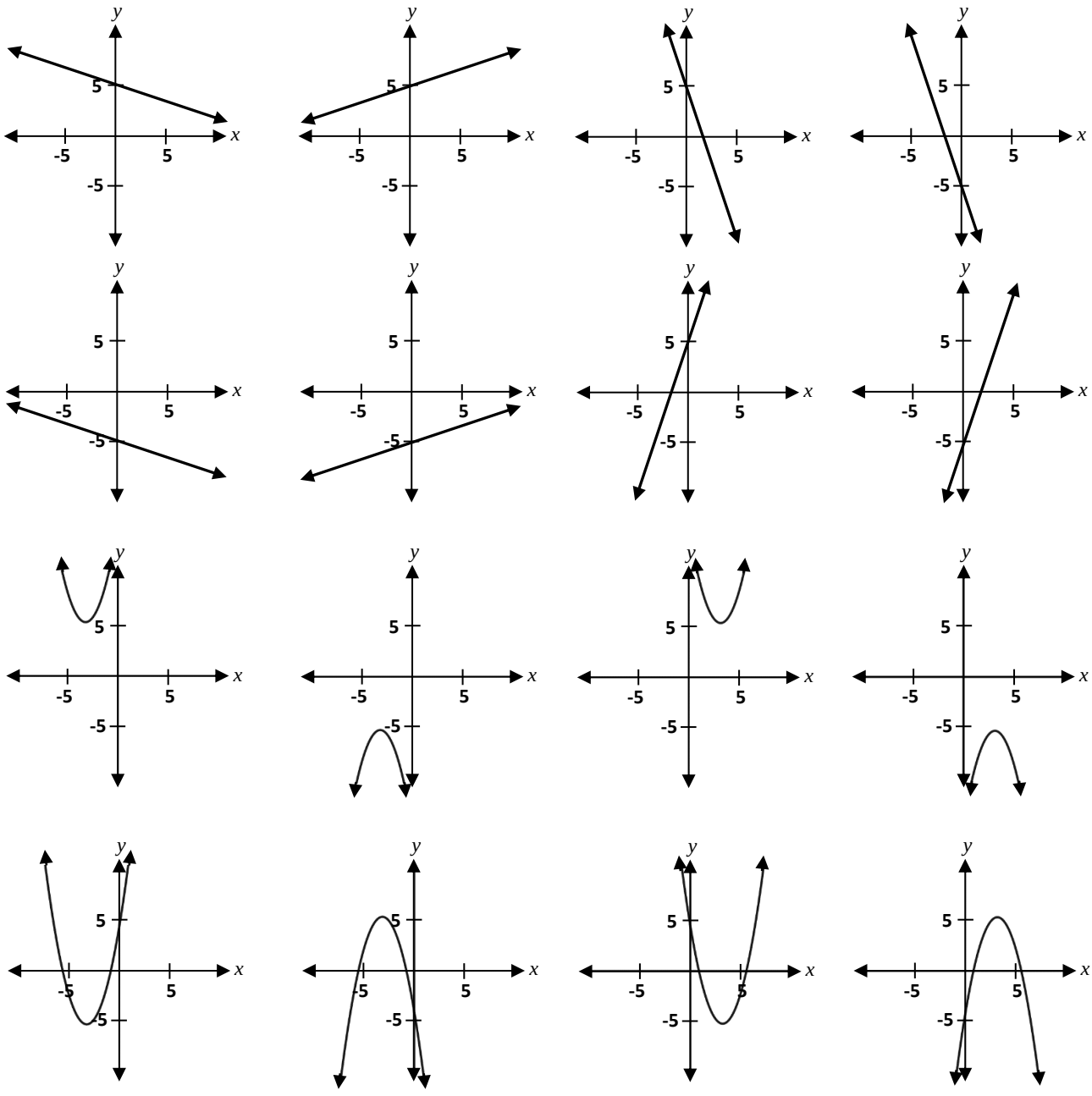
Readiness Standard 5 - A.CED.2

Name_____ Date_____

Learning Target: I will identify the graph of linear and non-linear functions. (Work time: 5 minutes)

Directions: Find and label the graph that represents each function. (Note: 12 graphs will not be labeled!)

1. $f(x) = (x - 3)^2 - 5$ **2.** $g(x) = -\frac{1}{3}x + 5$ **3.** $h(x) = 3x - 5$ **4.** $j(x) = (x + 3)^2 + 5$



Quick Check – Form C

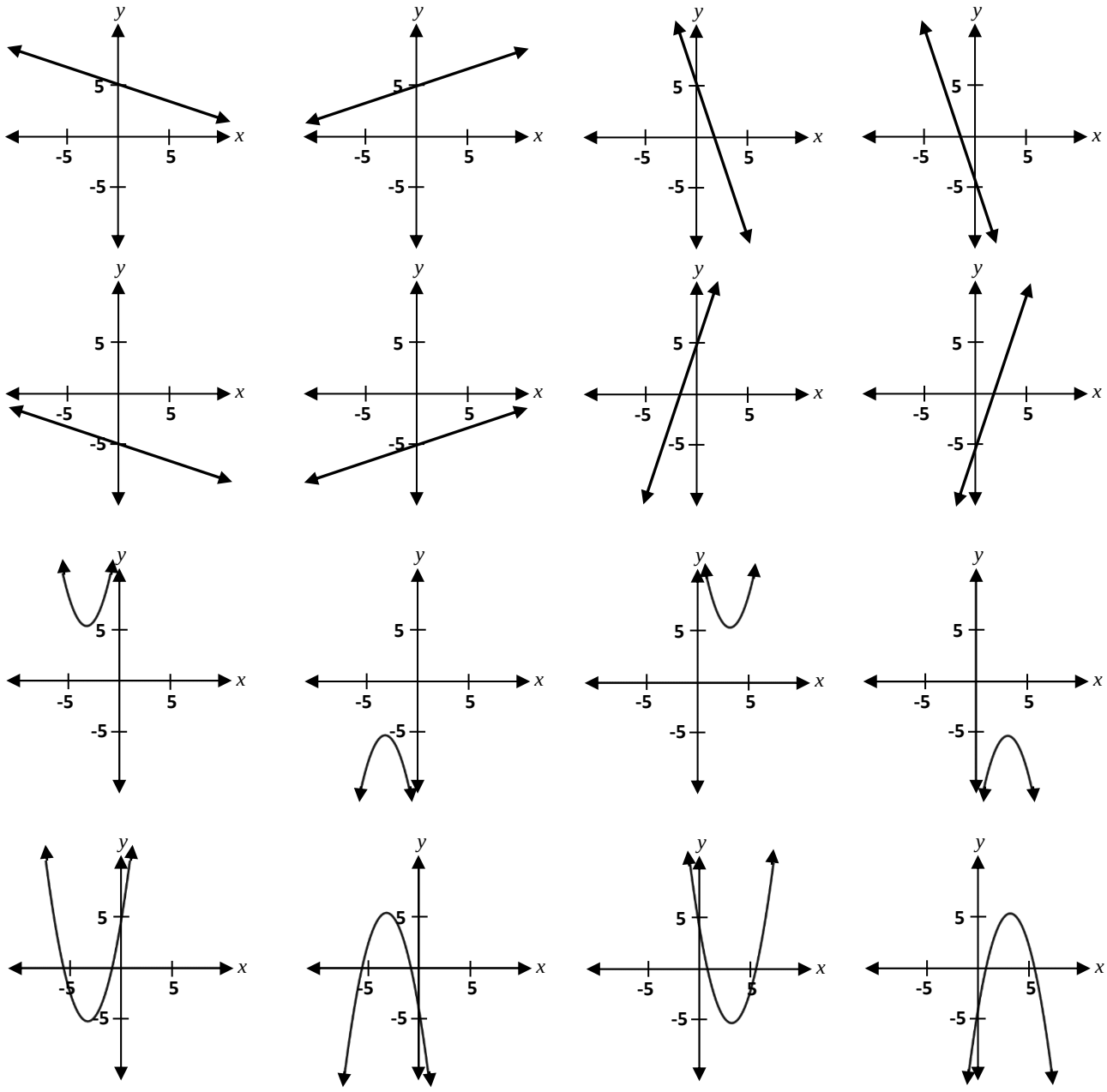
Readiness Standard 5 - A.CED.2

Name_____ Date_____

Learning Target: I will identify the graph of linear and non-linear functions. (Work time: 5 minutes)

Directions: Find and label the graph that represents each function. (Note: 12 graphs will not be labeled!)

1. $f(x) = \frac{1}{3}x - 5$ **2.** $g(x) = -(x + 3)^2 - 5$ **3.** $h(x) = (x - 3)^2 + 5$ **4.** $j(x) = -3x - 5$



Quick Check – Form D

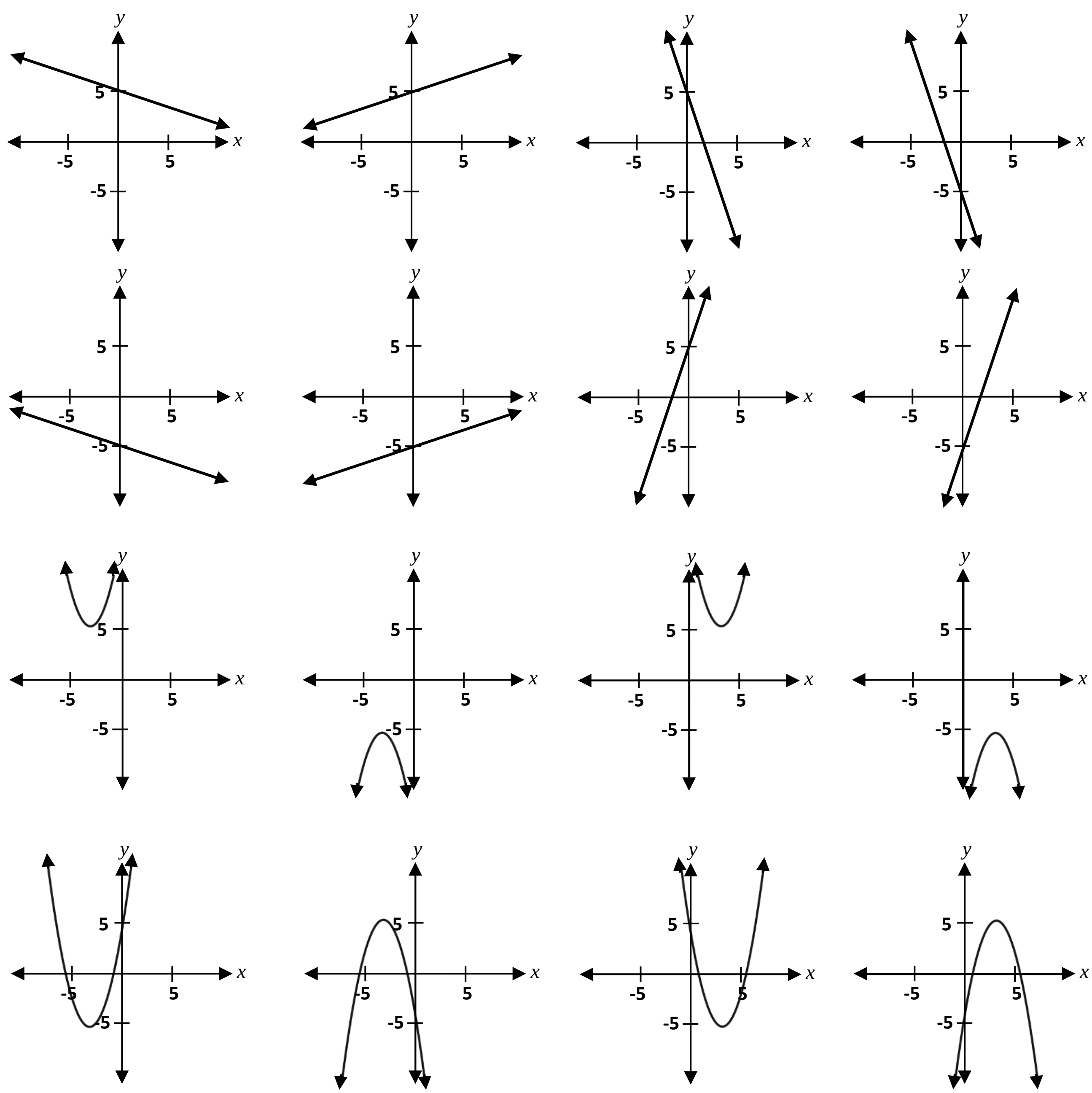
Readiness Standard 5 - A.CED.2

Name____________________________________ Date_________

Learning Target: I will identify the graph of linear and non-linear functions. (Work time: 5 minutes)

Directions: Find and label the graph that represents each function. (Note: 12 graphs will not be labeled!)

1. $f(x) = (x - 3)^2 + 5$ **2.** $g(x) = \frac{1}{3}x + 5$ **3.** $h(x) = (x + 3)^2 - 5$ **4.** $j(x) = 3x - 5$



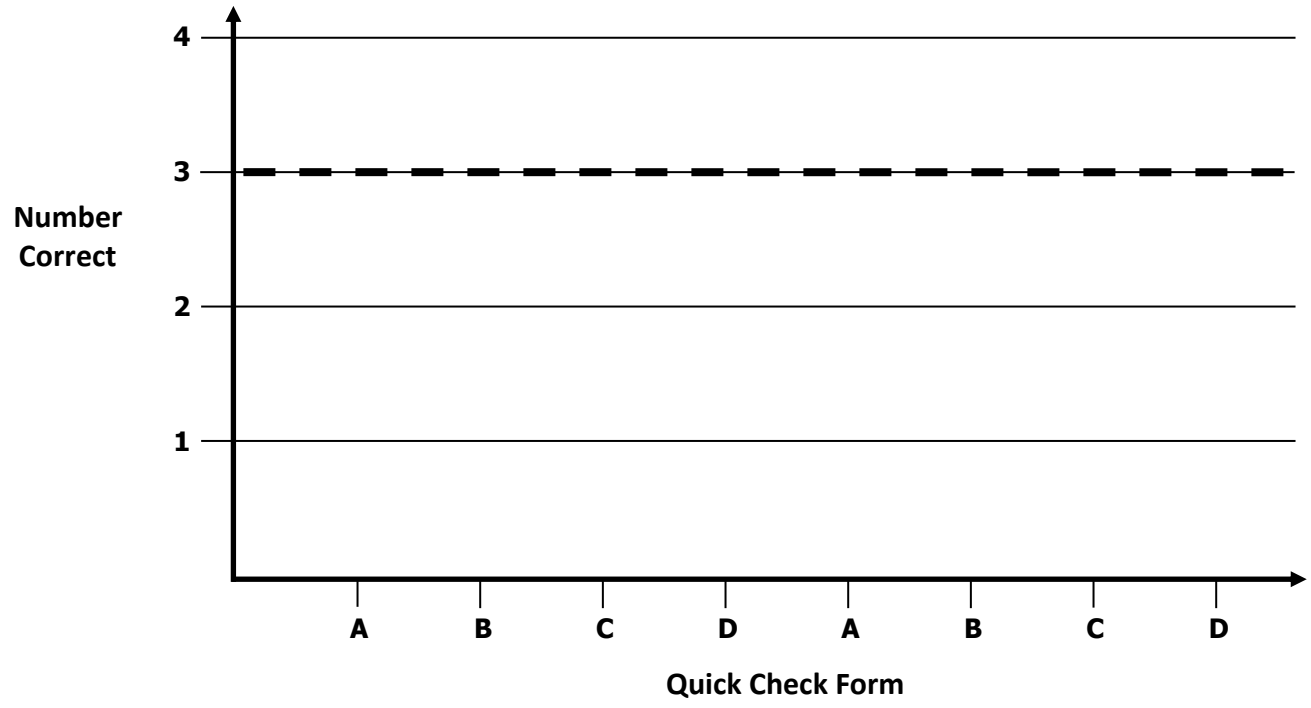
Algebra 2 Growth Chart

Readiness Standard 5 - A.CED.2

Name_____

Learning Target: I will graph linear and non-linear functions.

Goal: 3 out of 4 correct



Intervention	Date	Score