keep scrolling to get a sneak peek!

Help your Algebra students practice identifying characteristics of linear function graphs. Your students will benefit from being given choice when it comes to how they want to practice math!

IDENTIFYING GRAPH CHARACTERISTICS
Choice Board

Name: _____ Date: _____

ing Graph Characteristics Choic

Choose ____ problems from each column. Show your work

X-Intercept: _____
Y-Intercept: _____
Zero: _____
$f(x) = 2$, $x = $ _____
$x = -6$, $f(x) = $ _____

X-Intercept: _____
Y-Intercept: _____
Zero: _____
$f(x) = -2$, $x = $ _____
$x = 6$, $f(x) = $ _____

X-Intercept: _____
Y-Intercept: _____

ANSWER KEY

Identifying Graph Characteri

Directions: Choose ____ problems from each colum

X-Intercept: $(-4, 0)$
Y-Intercept: $(0, 4)$
Zero: $x = -4$
$f(x) = 2$, $x = -2$
$x = -6$, $f(x) = -2$

X-Intercept: $(3, 0)$
Y-Intercept: $(0, 6)$
Zero: $x = 3$
$f(x) = -2$, $x = 4$
$x = 6$, $f(x) = -6$

X-Intercept: $(6, 0)$
Y-Intercept: $(0, -3)$
Zero:

Math with Ms. Rivera

why do you need this?

Characteristics of Linear Graphs Choice Board

✏️ Allowing student choice in how they practice will encourage them to do the practice!

✏️ You can differentiate by the number of problems required of particular students.

Characteristics of Linear Graphs Choice Board *includes*:

✅ printable worksheet

✅ a detailed answer key

✅ 2 columns with 5 questions in each – 10 question total

✅ Spot to assign how many problems students need to complete

Characteristics of Linear Graphs Choice Board

standards covered:

CCSS: HSF–IF.B.4

TEKs: A1.7.A

VA SOLs: F.A.7.c, F.A.7.d, F.A.7.e

Name: _____

ANSWER KEY

Date: _____

Period: _____

Identifying Graph Characteristics Choice Board

Directions: Choose _____ problems from each column. Show your work in the boxes.

X-Intercept: $(-4,0)$
Y-Intercept: $(0,4)$
Zero: $x=-4$
$f(x) = 2$, $x = -2$
$x = -6$, $f(x) = -2$

X-Intercept: $(2,0)$
Y-Intercept: $(0,-4)$
Zero: $x=2$
$f(x) = 4$, $x = 4$
$x = -1$, $f(x) = -6$

X-Intercept: $(3,0)$
Y-Intercept: $(0,6)$
Zero: $x=3$
$f(x) = -2$, $x = 4$
$x = 6$, $f(x) = -6$

X-Intercept: $(-1,0)$
Y-Intercept: $(0,-3)$
Zero: $x=-1$
$f(x) = 6$, $x = -3$
$x = 1$, $f(x) = -6$

X-Intercept: $(6,0)$
Y-Intercept: $(0,-3)$
Zero: $x=6$
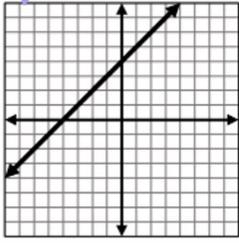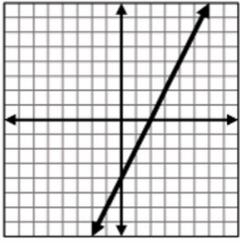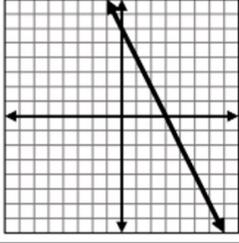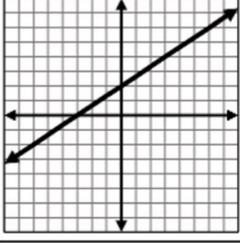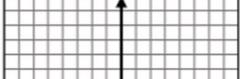$f(x) = -5$, $x = -4$

X-Intercept: $(-3,0)$
Y-Intercept:

how the choice board resource works

Assign students the number of problems they need to complete from each column.

Differentiate the choice board worksheet by reducing the number of problems assigned to show mastery.

Students can complete the any problems they want to in each column and in any order.

Name: _____ Date: _____ Period: _____

Identifying Graph Characteristics Choice Board

Directions: Choose _____ problems from each column. Show your work in the boxes.

graph	X-Intercept: _____ Y-Intercept: _____ Zero: _____ $f(x) = 2$, $x =$ _____ $x = -6$, $f(x) =$ _____	*graph*	X-Intercept: _____ Y-Intercept: _____ Zero: _____ $f(x) = 4$, $x =$ _____ $x = -1$, $f(x) =$ _____
graph	X-Intercept: _____ Y-Intercept: _____ Zero: _____ $f(x) = -2$, $x =$ _____ $x = 6$, $f(x) =$ _____	*graph*	X-Intercept: _____ Y-Intercept: _____ Zero: _____ $f(x) = 6$, $x =$ _____ $x = 1$, $f(x) =$ _____
graph	X-Intercept: _____ Y-Intercept: _____ Zero: _____ $f(x) = -5$, $x =$ _____ $x = 4$, $f(x) =$ _____	*graph*	X-Intercept: _____ Y-Intercept: _____ Zero: _____ $f(x) = -2$, $x =$ _____ $x = 3$, $f(x) =$ _____
graph	X-Intercept: _____ Y-Intercept:	*graph*	X-Intercept: _____ Y-Intercept:

how to use this resource

This is a great individual practice activity to use when reviewing how to identify characteristics of linear graphs.

My favorite ways to use this choice board is for homework and math practice stations.

This is also a **substitute-friendly** assignment!

Name: _____ **ANSWER KEY** _____ Date: _____ Period: _____

Identifying Graph Characteristics Choice Board

Directions: Choose _____ problems from each column. Show your work in the boxes.

X-Intercept: $(-4,0)$
Y-Intercept: $(0,4)$
Zero: $x=-4$
$f(x) = 2$, $x = -2$
$x = -6$, $f(x) = -2$

X-Intercept: $(2,0)$
Y-Intercept: $(0,-4)$
Zero: $x=2$
$f(x) = 4$, $x = 4$
$x = -1$, $f(x) = -6$

Name: _____ Date: _____ Period: _____

Identifying Graph Characteristics Choice Board

Directions: Choose _____ problems from each column. Show your work in the boxes.

X-Intercept: _____
Y-Intercept: _____
Zero: _____
$f(x) = 2$, $x =$ _____
$x = -6$, $f(x) =$ _____

X-Intercept: _____
Y-Intercept: _____
Zero: _____
$f(x) = 4$, $x =$ _____
$x = -1$, $f(x) =$ _____

X-Intercept: _____
Y-Intercept: _____
Zero: _____
$f(x) = -2$, $x =$ _____
$x = 6$, $f(x) =$ _____
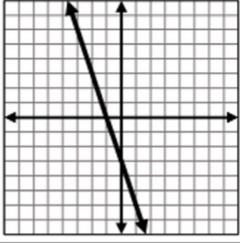
X-Intercept: _____
Y-Intercept: _____
Zero: _____
$f(x) = 6$, $x =$ _____
$x = 1$, $f(x) =$ _____
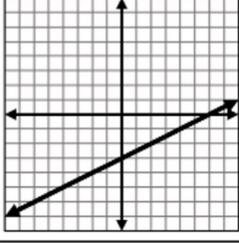
X-Intercept: _____
Y-Intercept: _____
Zero: _____
$f(x) = -5$, $x =$ _____
$x = 4$, $f(x) =$ _____

X-Intercept: _____
Y-Intercept: _____
Zero: _____
$f(x) = -2$, $x =$ _____
$x = 3$, $f(x) =$ _____

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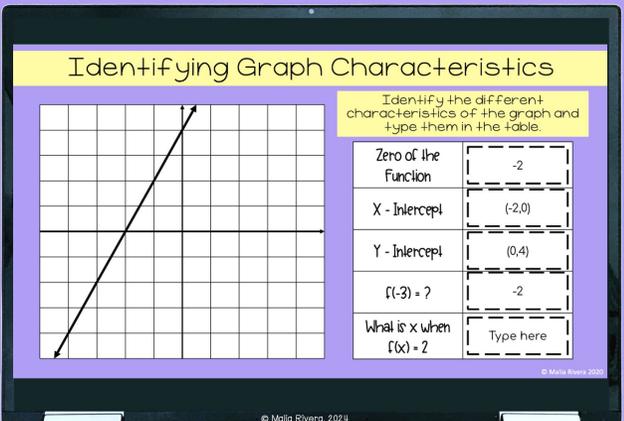
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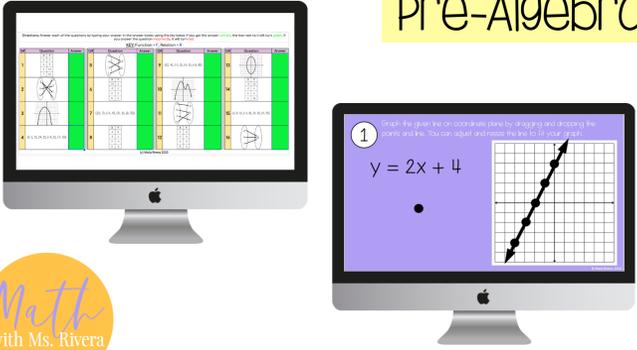
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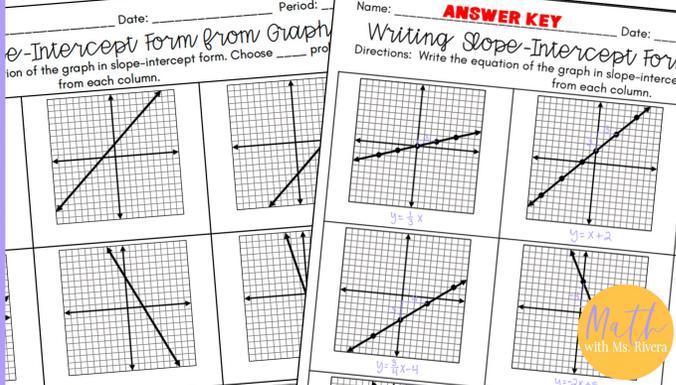
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