Good morning!

- 1. "Here"
- 2. Begin Unit 1 Part 2
- 3. Notes on Graphing Linear Functions
- 4. MI Diagnostic Test

https://h100003989.education.scholastic.com

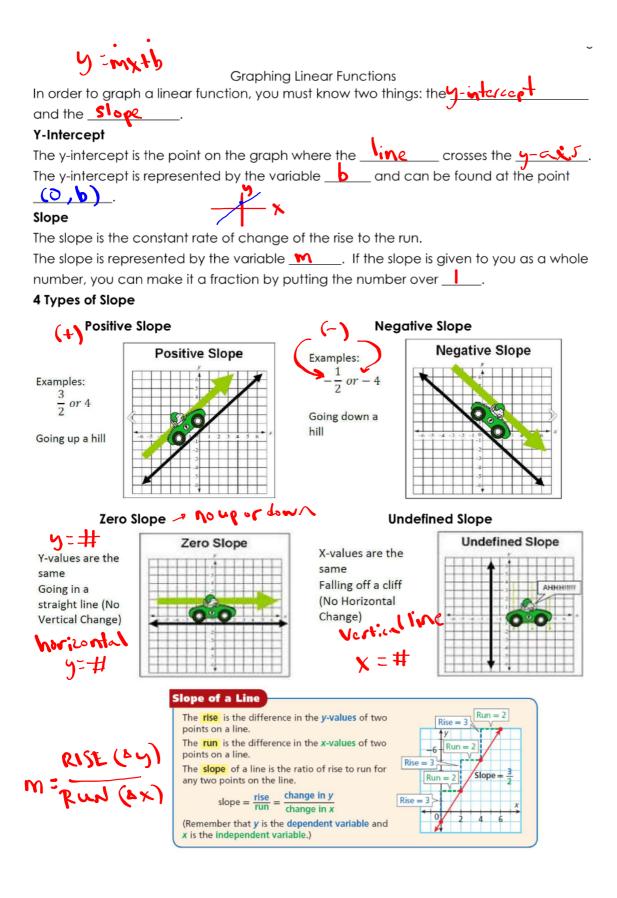
5. Upload Practice (Evens) to CTLS

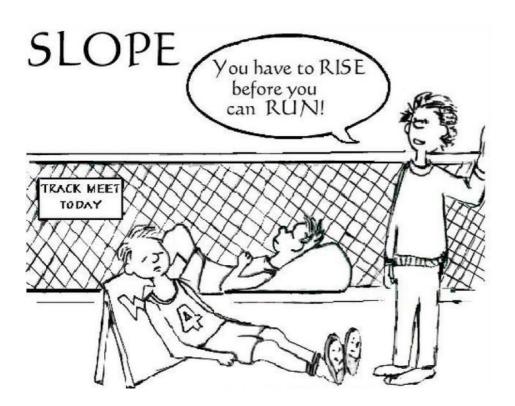
DeltaMath

Unit 1 - Part 2 Linear Functions

Monday	Tuesday	Wednesday	Thursday	Friday
Jan. 18 th	Jan. 19 th	Jan. 20 th	Jan. 21 st	Jan. 22 nd
No School	Unit 1 Part 1 Test	Unit 1 Part 1 Test	Graphing Linear Functions	Characteristics of Linear Functions
Jan. 25 th	Jan. 26 th	Jan. 27 th	Jan. 28 th	Jan. 29th
Function Notation	PSAT Day – No Class	Arithmetic Sequences	Review Quiz due at midnight	Solving Systems by Graphing
Feb. 1st	Feb. 2 nd	Feb. 3 rd	Feb. 4th	Feb. 5 th
Solving Systems by Substitution	Solving Systems by Elimination Quiz	Quiz due at midnight	Systems of Equations Word Problems	Graphing Systems of Inequalities
Feb. 8th	Feb. 9th	Feb. 10 th	Feb. 11 th	Feb. 12th
Graphing Systems of Inequalities	Review Test	Test due at midnight	Factoring by GCF	Factoring







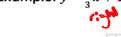
Slope-Intercept Form: y = mx + b

Step 1: Identify the y-intercept (b) and plot the point (0, b).

Step 2: Use the slope (m) to find a second point: $m = \frac{rise}{run}$. (Remember to make whole numbers into fractions). You can do this several times.

Step 3: Connect the points.

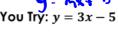
Example: $y = \frac{4}{3}x + 1$

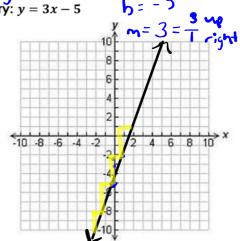


b = 1y - int: (0, 1)

 $slope = \frac{rise\ 4}{run\ 3}$

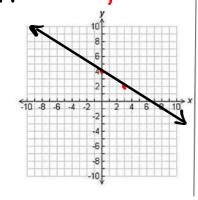




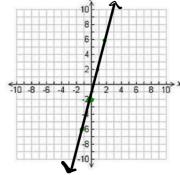


More Practice

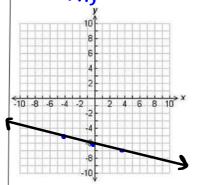
$$y = -\frac{2}{3}x + 4$$

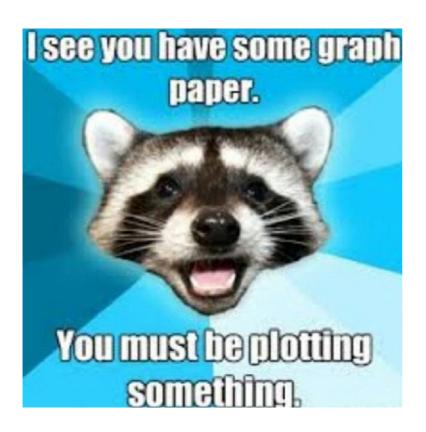


$$y = 4x - 2$$



$$y = -\frac{1}{4}x - 6$$

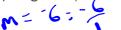




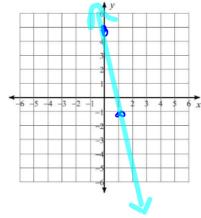
Graphing in Slope-Intercept Form Practice

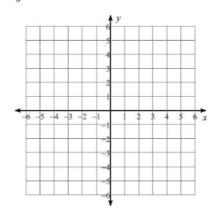
1)
$$y = -6x + 5$$

2) $y = \frac{6}{5}x + 4$



2)
$$y = \frac{6}{5}x + 4$$

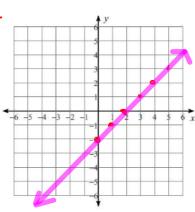




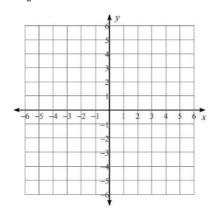
3)
$$y = x - 2$$





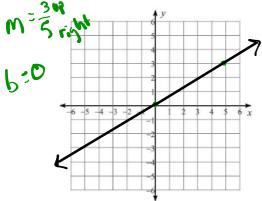


4)
$$y = -\frac{3}{2}x - 4$$

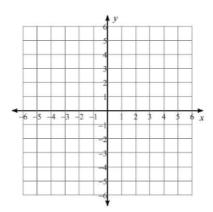


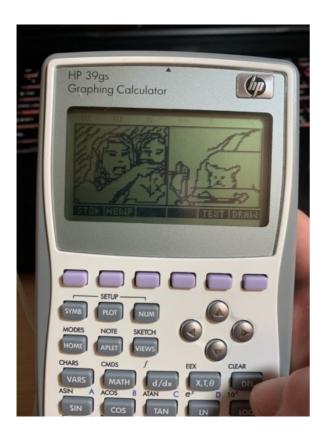
5)
$$y = \frac{3}{5}x + \bigcirc$$



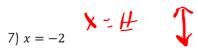


6)
$$y = -x - 2$$

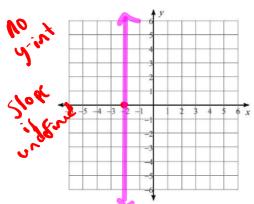






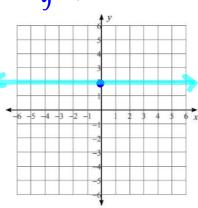


7)
$$x = -2$$

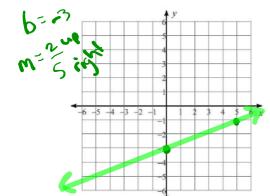




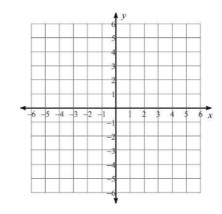




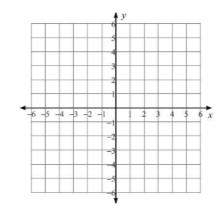
11)
$$y = \frac{2}{5}x - 3$$



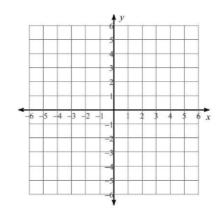
8)
$$y = -\frac{1}{5}x - 4$$



10)
$$y = 5x$$



12)
$$x = 3$$



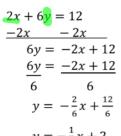
Graphing in Standard Form

Standard Form: Ax + By = C

Step 1: Convert from standard form to slope-intercept form (solve for y)

Step 2: Follow the same steps from graphing in slope-intercept form (pa. 3)

Example: 2x + 6y = 12



$$2x + 6y = 12$$

$$-2x - 2x$$

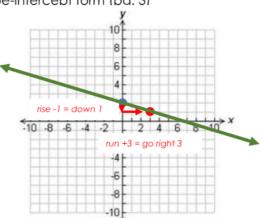
$$6y = -2x + 12$$

$$\frac{6y}{6} = \frac{-2x + 12}{6}$$

$$y = -\frac{2}{6}x + \frac{12}{6}$$

$$y = -\frac{1}{3}x + 2$$

$$m = \frac{rise - 1}{run + 3} = \frac{down 1}{right 3}$$



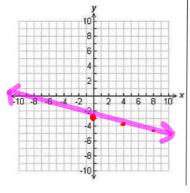
Practice

$$2x + 8y = -24$$

$$-2x - 2x - 2x$$

$$8y = -2x - 2x$$

$$9 = -\frac{1}{4}x - 3$$



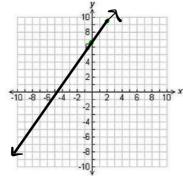
$$3x - 2y = -12$$

$$-3x$$

$$-2y = -3x$$

$$-2y = -3x$$

$$y = \frac{3}{2}x + 6$$
 $M = \frac{3}{2}vp$
 $b = 6$



$$4x - y = 1$$

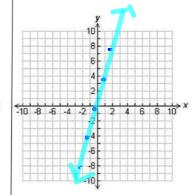
$$-4x$$

$$-y = -4x + 1$$

$$y = -4x - 1$$

$$y = -4x - 1$$

$$y = -4x - 1$$



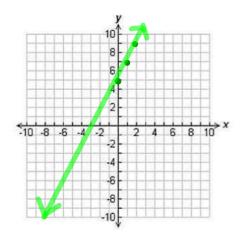
Graphing in Standard Form Practice

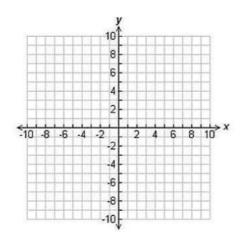
1)
$$y = 2x + 5$$

W= 3



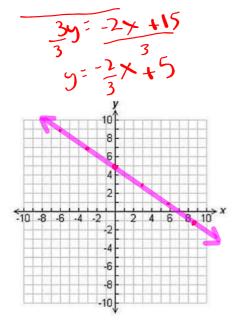
2)
$$2y - x = 6$$



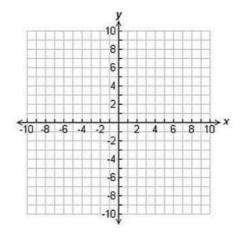


3)
$$2x + 3y = 15$$

-2x -2x



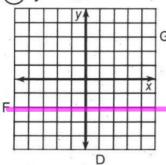
4)
$$3(x+2) - y + 2 = 14$$



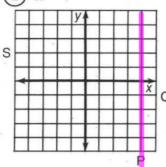
Why Did the Cow Want a Divorce?

Graph each equation below. The graph, if extended, ill cross a letter. Look for this letter in the string of letters near the bottom of the page and CROSS IT OUT each time it appears. When you finish, write the remaining letters in the rectangle at the bottom of the page.

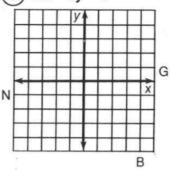




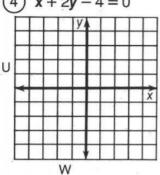
x = 4



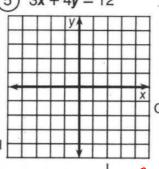
 $2\mathbf{x} - 3\mathbf{y} = 9$



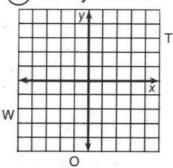
x + 2y - 4 = 0



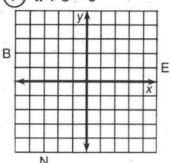
3x + 4y = 12

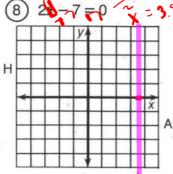


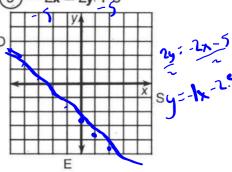
6x - 5y + 20 = 0



x + 3 = 0







CS/HØWEHØFANDAPLBØ/ULFGMS/FTØWE/ERN

Answer:

Work for Why Did the Cow Want a Divorce?

1)	2)	3)
4)	5)	6)
7)	8)	9)

Math Inventory (MI) Directions

You can access the MI on any device (desktop, laptop, Ipad, Tablet, etc.)

Follow this link to the test: https://h100003989.education.scholastic.com

Log in information: Username – Student ID Password – Student ID

Once Logged in Begin your Test.

Submit Scratch work to the Lesson Assignments Tab.

Math Inventory Tips

- Students can use up to three "skips" without penalty. If your student is struggling with a question, you can remind them they can skip it. This will not affect their score.
- The assessment generally takes about 30-40 minutes to complete. If students need to exit before completing the *Math Inventory*, they can log out of the assessment. Their progress will be saved, so they can pick up exactly where they left off the next time they log in.
- Students will complete a typing warm up, may be given the math fact screener (dependent on settings chosen by teachers), and some practice test items.
- Students will answer 25 30 multiple-choice questions.
- Each student has a unique test that is different from their peers
- The questions adapt to their level of math understanding