Name:						
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SGL 8th Grade Math

 Due Date:
 HW#

 Circle your Class:
 801
 802
 803
 804
 805

## **February Break Homework**

Packet Self-Evaluation: 1--2--3--4--5

(circle a score)

Packet Teacher Evaluation: 1--2--3--4--5

HW Rubric	1 point	2 3 points 4		4	5 points
All problems     complete?	Very few		Some		All complete
All annotation and work shown?	Very few		Some		All shown
• Is math accurate?	Less than 50%		About 75%		90-100%



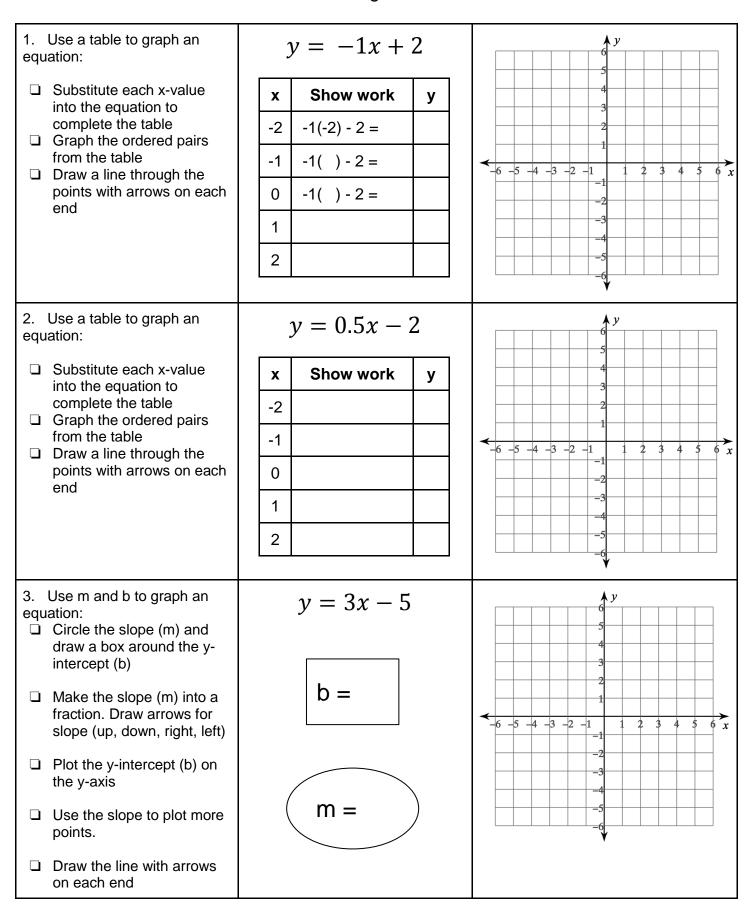
## IXL.com Homework:

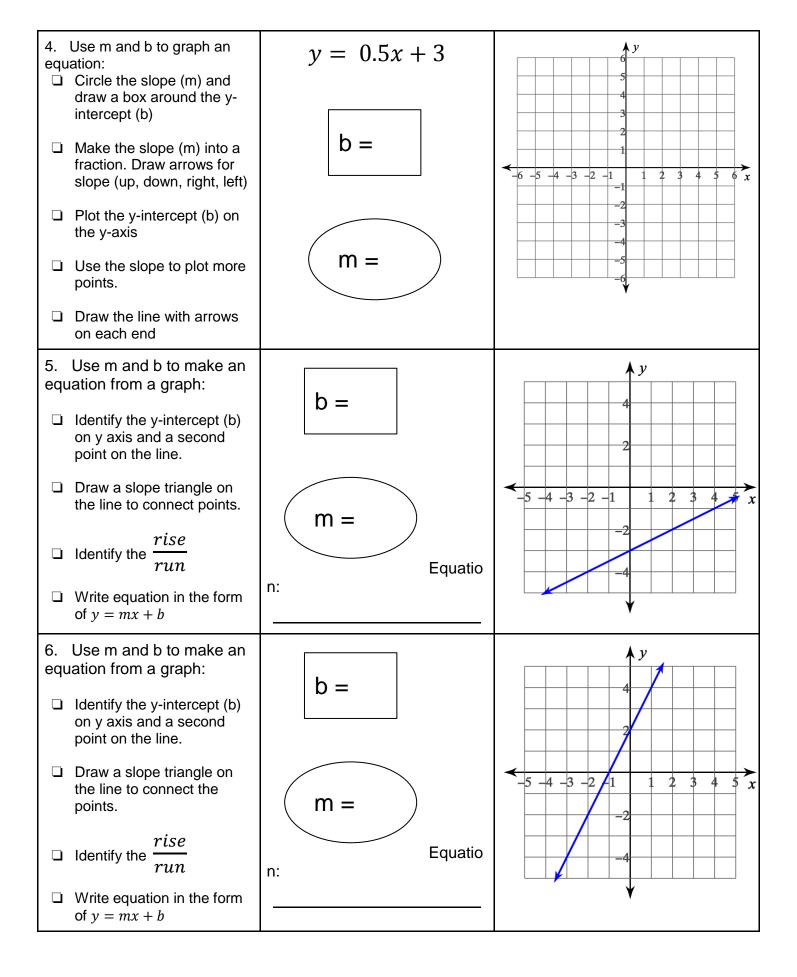
- Log in to IXL.com with your first initial and last name @m378 (like bfrye@m378)
- Password is "math" unless student changed the password
- Choose 5 skills from the Z set called "Functions" that you haven't completed yet
- Reach at least 92% on each of those Z skills
- If the Z skills are too difficult or too easy, try the Y skills instead
- If you get stuck: read the explanation after each mistake, or look on Youtube

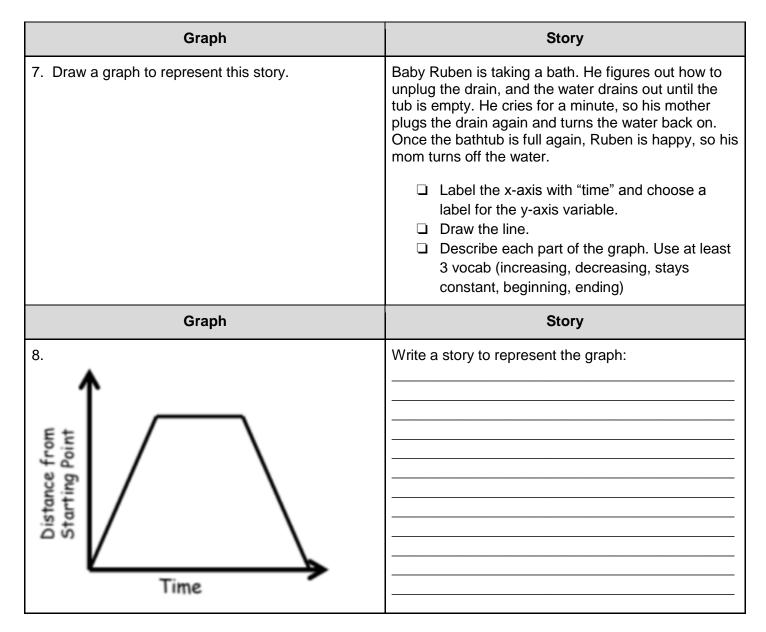
IXL Self-Evaluation (circle a score): 1--2--3--4--5 Teacher Evaluation: 1--2--3--4--5

- □ Skill: \_\_\_\_\_ Score: \_\_\_\_\_

Parent Signature: \_\_\_\_\_







9. Draw arrows to show how the decimal moved. Fill in the missing blanks.

Scientific Notation Standard Form		Scientific Notation	Standard Form
$36.9\cdot10^{0}$	= 36.9	$8.42\cdot 10^0$	=
$36.9\cdot10^{1}$	= 369.	$8.42 \cdot 10^{-1}$	=
$36.9 \cdot 10^2$	= 3,690.	$8.42 \cdot 10^{-2}$	= .0842
$36.9 \cdot 10^{3}$	=	$8.42 \cdot 10^{-3}$	=
$36.9\cdot 10^4$	=	$8.42\cdot 10^{-4}$	=
$36.9\cdot10^5$	=	$8.42 \cdot 10^{-5}$	=

What happens when there is an exponent of 0?

What happens when there is a negative exponent?

10. Annotate the like terms with colors or shapes. Fill in the missing blanks.

1	5x + 12 - 3x	= 5x - 3x + 12	= 2x + 12
2	12a + 5b + 8b + 5a	= 12a + 5a + 5b + 8b	=
3	13c + 7d - 3c - 3d	=	=
4	5e + 8 + 3f + 2e + 8f - 2	=	=
5	6g + 9 + h - 2 - 3g + h + 0g	=	=
6	8i + 10j - 3 - 3i - 6j - i - 3 - i	=	=
7	342k - 46m + 56m - 132k	=	=
8	-1n + p - n - n - p + p	=	=

What happens when a variable has 0 as a coefficient?

What happens when a variable doesn't show any coefficient?

RIDES AT THE FAIR:	Initial Value (or Starting Point):		
To get into the fair, you must pay \$			
Each ride costs \$			
Slope (m) = Y-Intercept (b) =	Rate of Change: increasing/decreasing		
Equation (y=mx+b):	for each		
Graph:	Table: # of rides Total Cost		
	x y		
18	0		
16	3		
	6 \$22		
	9 \$31		
6	12		
	15 \$49		
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 Rides	If it costs for 3 rides, then it must cost for 1 ride.		