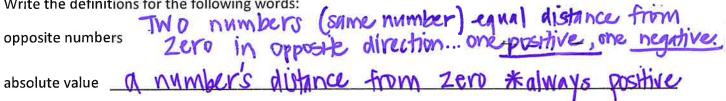
Name		

6th Grade Math

The Number System - Rational Numbers Review Guide

1.) Write the definitions for the following words:

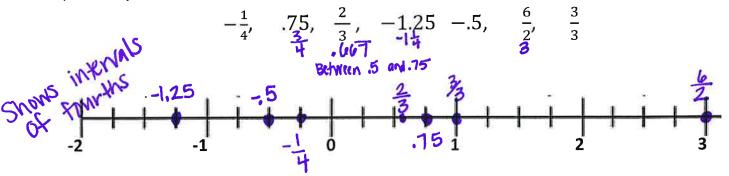


2.) What is the opposite of each number below?

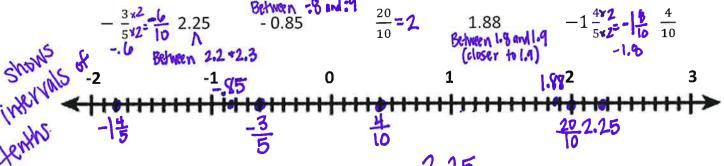
a.
$$-\frac{3}{5}$$
 $\frac{3}{5}$

4.) Evaluate:

5.) Draw a point on the number line to mark the number's location and label with the original number.

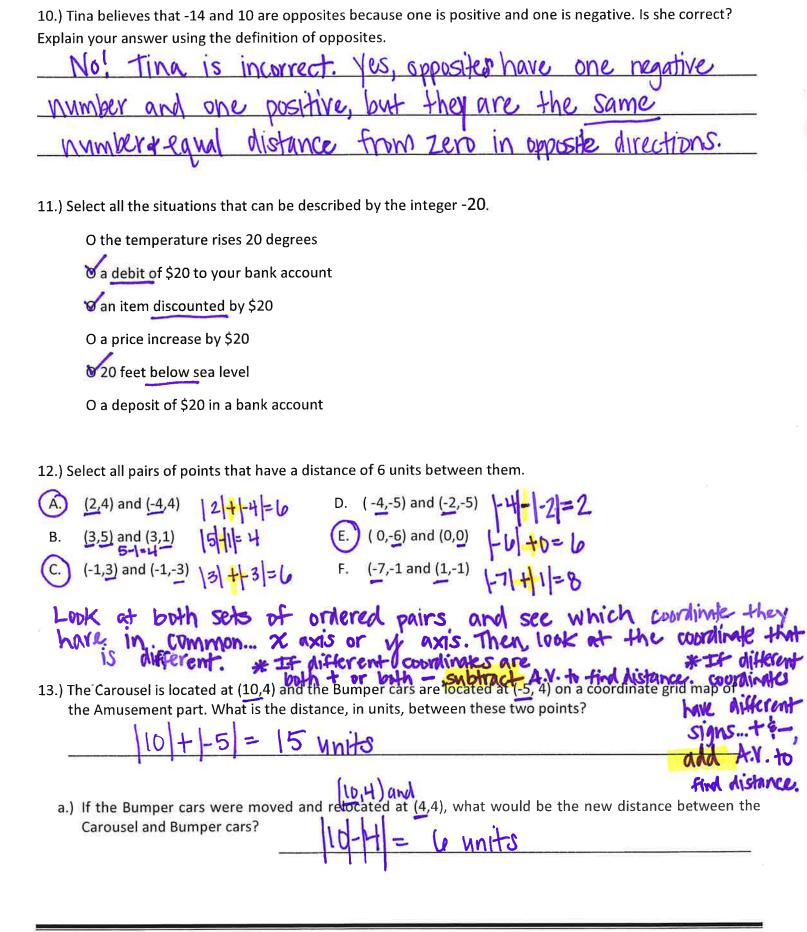


6.) Order the following decimals on the number line below. Draw a point on the number line to mark the number's location and label with the original number.



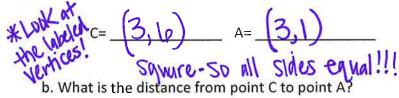
a. What point has the greatest absolute value? 2.25

7.) Mr. Dadante was scuba div	ring in the Bahamas. He w	/as at -25 feet.	
a. Describe the elevation	on of Mr. Dadante in rela	tion to sea level.	
Mr. Dad	ante was 25	5 feet below !	Sea level
	THE SECTION AND	~~~	
.b. Mr. Dadante's son w	vas standing 2 feet above	the water on a boat. What	is the difference between
Mr. Dadante and his so	on's location?/	17 feet	+0
neer ne and N.V. +25	+ 2 = 27		
8.) Mr. Ehrbar's thermometer	reads -11 °C and Mr. Ne	wsome's thermometer read	ds -2 °C.
	o explain Mr. Ehrbar's te e definition of absolute v	mperature in this situation. ralue.)	
Mr Ehrbar	's temperature	is 11° below	Tern.
M. Chicki	5 TOTAL CONTRACTOR	~~~	A CONTRACTOR OF THE PARTY OF TH
	70 :	- Jalanna ete.	QD Warmen
b. Which is the warme	r temperature?	WAYM CYHow much wa	armer? 4 Warmer
c. Write an inequality t	o compare these temper	atures.	2
		. 1 1	or -207-11°
9.) The table below shows the	e freezing points of differ	ent liquias.	i Milari
	Liquid	Freezing Point	
. [Water	32	
,	Acetone	−94 •	*
	Linseed Oil	-4	
	Acetic Acid	62	
	Oil	-32 .	
ŗ			
a) What liquid has the gre		A	
u., vviiat iiuuiu iias tiie gi	eatest absolute value?	Acetone	
F		Acetone can be either pos. or n	eg.
b.) What liquid has the wa	urthest from O		eg.
b.) What liquid has the wa	urthest from 0 armest freezing point?	Acetic Acid.	-327-94
F	urthest from 0 armest freezing point?	Acetic Acid.	eg327-94 Or -94<-32



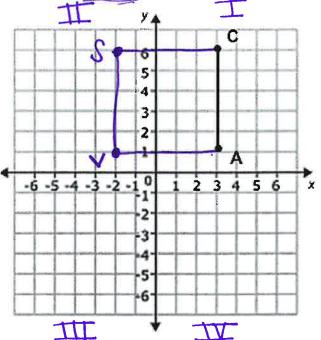
14.) Line CA is one side of the square CAVS, which is located in Quadrants Land II.

a. What are the coordinates of the given vertices?



c. Plot and label vertices V and S. Then, connect all vertices to prove CAVS is a square. What are the missing "Label so it spells CAVS coordinates?

$$v = (2,1)$$
 $s = (2,1)$

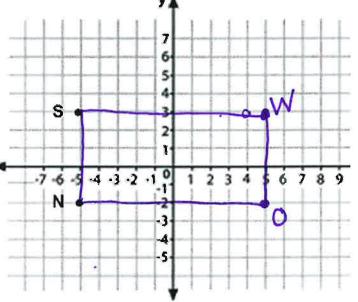


15.) Vertices S and N make up side SN of rectangle SNOW.

a. What are the coordinates of these two points?

$$S = (5,3)$$
 $N = (-5,-2)$

b. Reflect these points over the y-axis. Connect the points to create rectangles SNOW. Then, write the coordinates.



at is the length of side SN? |3|+|2|=5units

d. What is the length of side NO? -5 + 5 = 10

10 units

* side	lenaths	ar	e	•1
TIA	beled	n	VID	175

* Area is labeled in units to show how much of