

SpiralEd Solutions

KATHY TIPTON

CAMT 2019

Spiraling to Success

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Learning how to learn...for math and for life.

- Having the words to “talk the talk”....developing useful vocabulary.
- Having the moves to “walk the walk”...active engagement and accountability.
- Having the questions to “think great thoughts”...one more round.

Vocabulary

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**Spiraling to Success:
having the words to
“talk the talk”**

vocabulary



Why academic content vocabulary?

“The sum of three consecutive even whole numbers equals the product of the cube root of twenty-seven and the second number. What are the three numbers?”

Součet tří po sobě jdoucích i celých čísel se rovná součinu kořenové krychle dvaceti sedmi a druhého čísla. Jaké jsou tři čísla?

三個連續偶數整數的總和
等於二十七的立方根和第
二個數的乘積。三個數
字是什麼？

What doesn't work....

Mean:

the value obtained by dividing the sum of several quantities by their number

- Doing nothing
- Just “telling”
- Pure definitions
- Punitive vocabulary
- Biting off too much

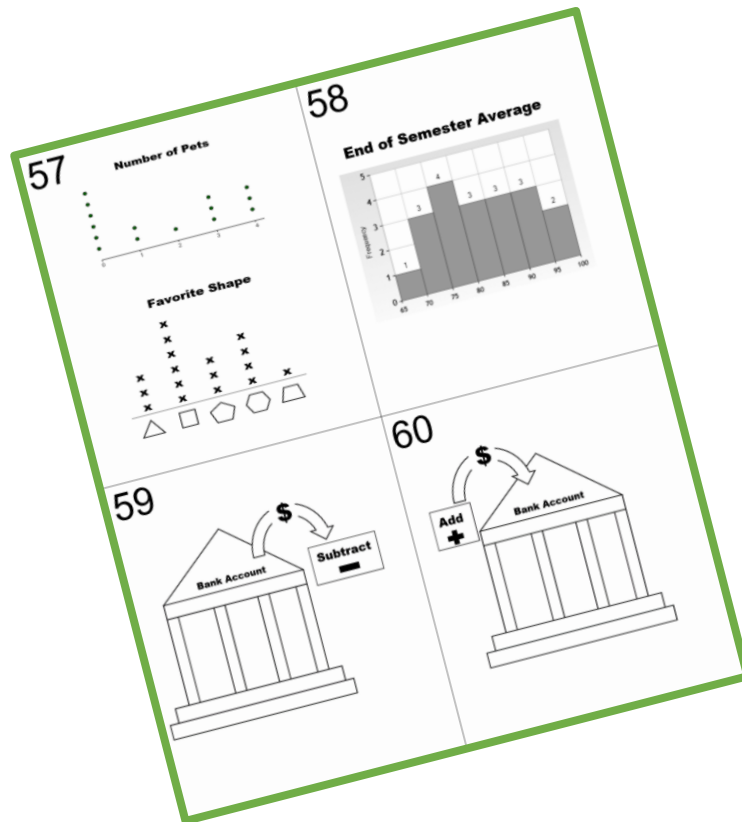
What does work....



- Start the year with intent.
- Have a reasonable plan.
- Hold yourself accountable.
- Work the plan.
- Celebrate small victories.

The Plan....

- Visual examples
- Four words per week
- Complete in the first semester
- Varied, daily practice
- Accountability

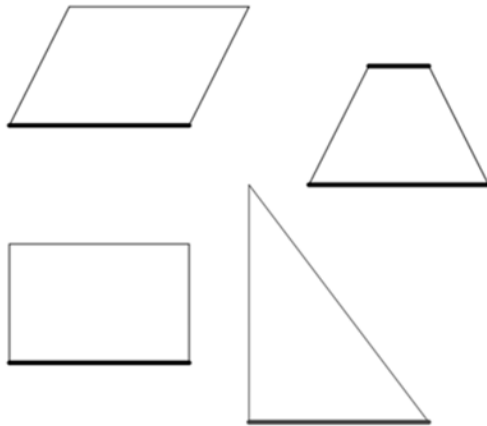


Vocabulary

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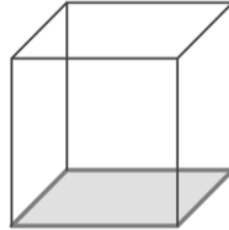
48

The length of an edge of a polygon,
used to find the area.



49

The area of one face of a prism,
used to find the volume.



51

M i d ★ d l e

#1 order numbers

#2 find the middle

5, 2, 3, 4, 6

2, 3, 4, 5, 6



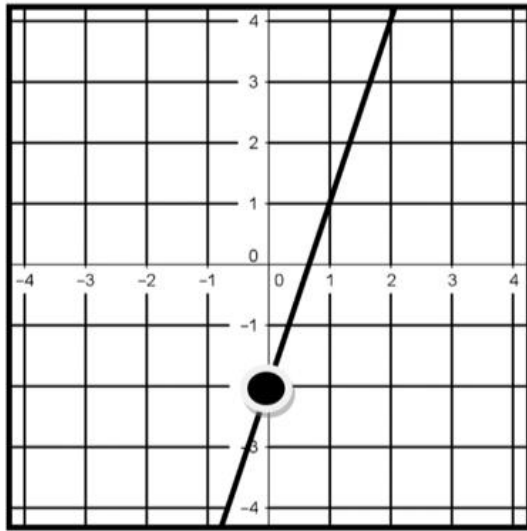
a measure of center

Vocabulary

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$(0, -2)$

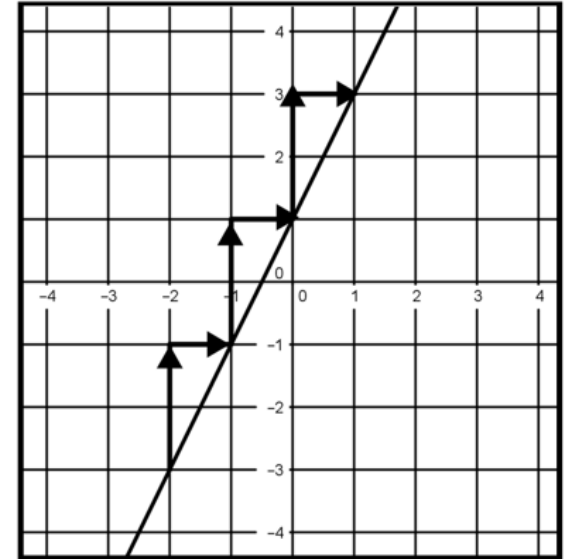
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$$y = mx + b$$

4

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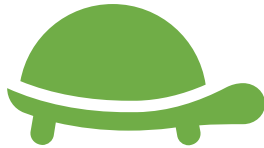
$m = 2$

Vocabulary

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Student management....

Card management....



Vocabulary

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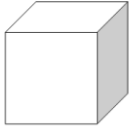


Have fun....

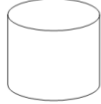


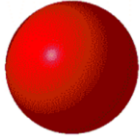
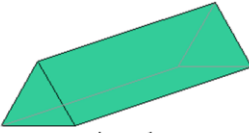
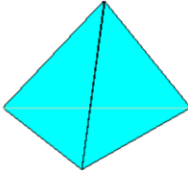










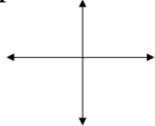





- Using flash cards
- Back Talk
- Table work
- One Up
- Strong questions
- Flyswatter
- What's the question?

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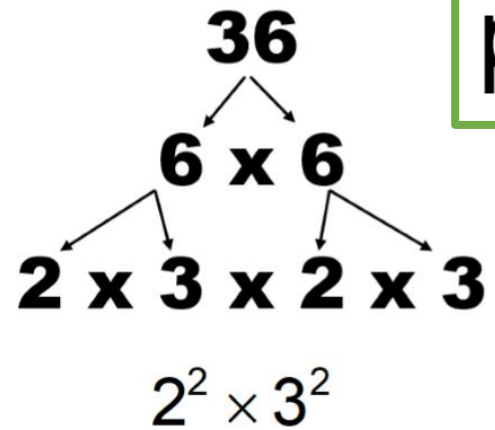
square 	rectangle 
equilateral triangle 	right triangle 
trapezoid 	parallelogram 
rhombus 	cube 
rectangular prism 	pentagon 

cylinder 	hexagon 
 square pyramid	 sphere
 triangular prism	 triangular pyramid
 cone	ray 
line 	segment 

acute angle 	obtuse angle 
right angle 	parallel lines 
perpendicular lines 	intersecting lines 
obtuse triangle 	 octagon
translation 	reflection 

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Grow a Tree



prime factorization

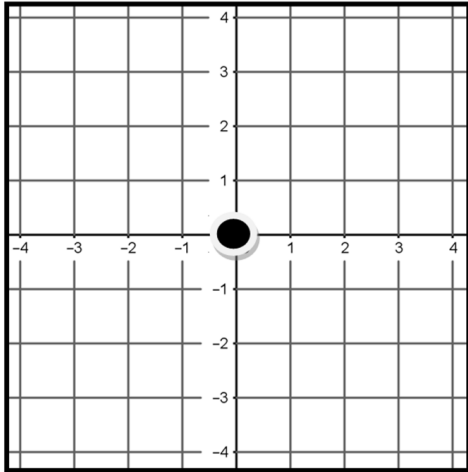
Table Work

Vocabulary

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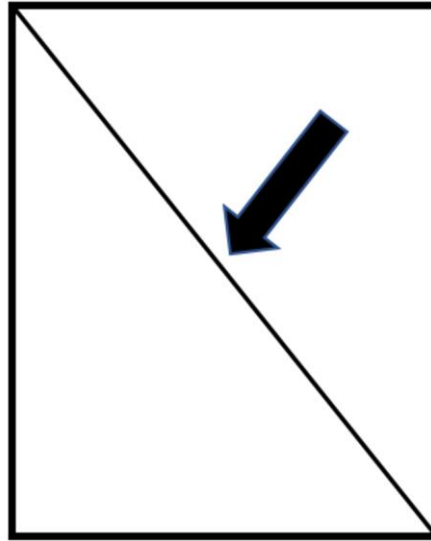
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One Up

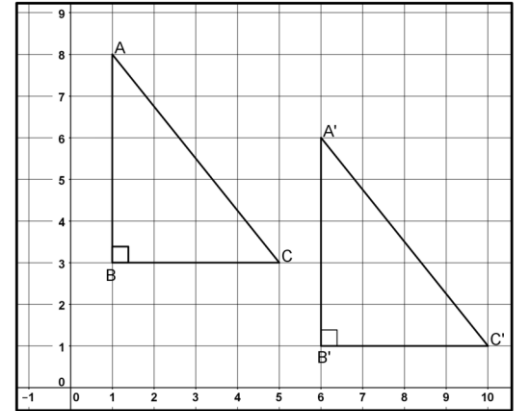
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Accountability....

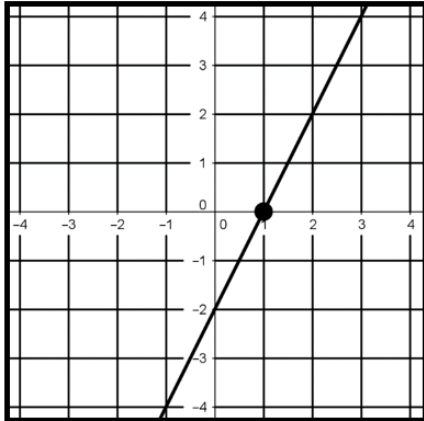
- Cumulative
- Formative
- Summative
- Increasing depth



Vocabulary

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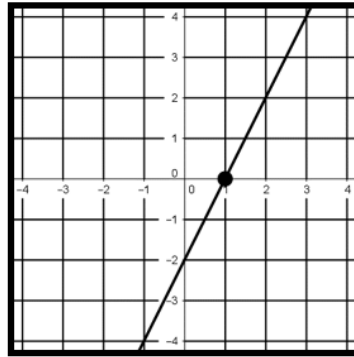
1)



Which term best describes the point?

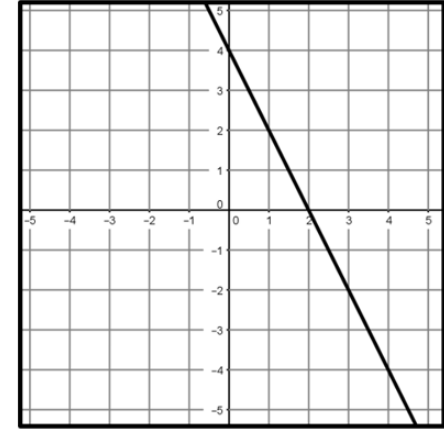
- A. y-intercept
- B. x-intercept
- C. vertex
- D. negative slope

1)



Which term does not belong with the picture above?

- A. x-intercept
- B. $y = 1$
- C. $f(1) = 0$
- D. $x = 1$



2) (2, 0) is...

- A. not included in the function.
- B. the x-intercept.
- C. the slope.
- D. the y-intercept.

Vocabulary

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ESL

Resource

Intervention

They're everywhere!

Dyslexia

PALS

Sub Folder

Watchdogs

Vocabulary

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Learning how to learn: for math and for life.



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Vocabulary +
Wall Work +
Spirals =

Spiraling to Success



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