

# Thursday, February 7, 2019

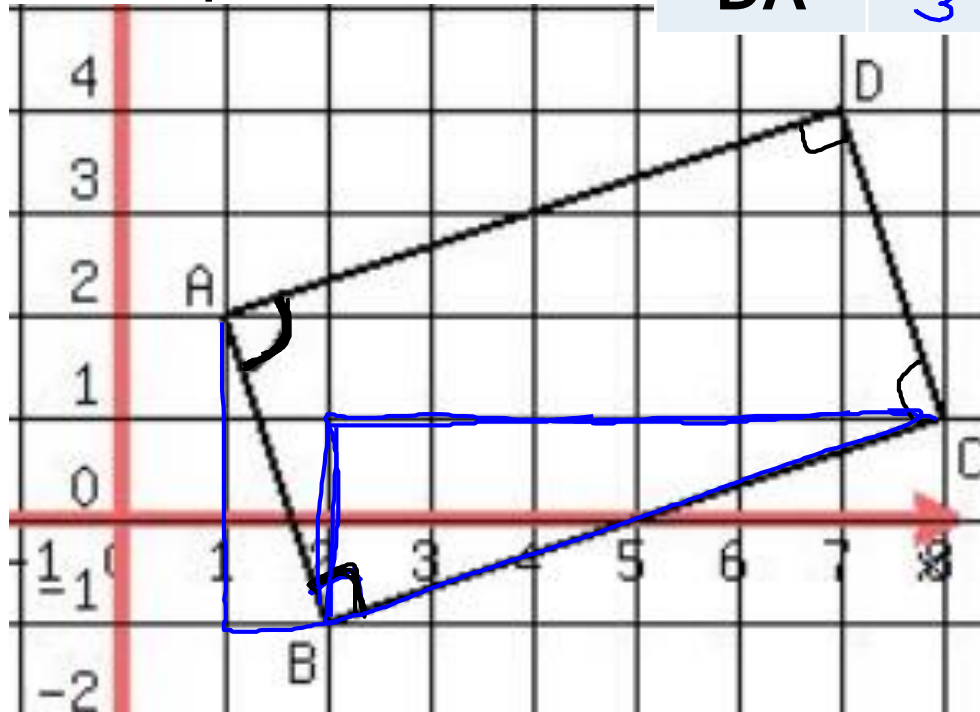
Parallelogram

Rectangle

- Warm-up
  - Classify this quadrilateral

- Perform
- Practice
- Quiz

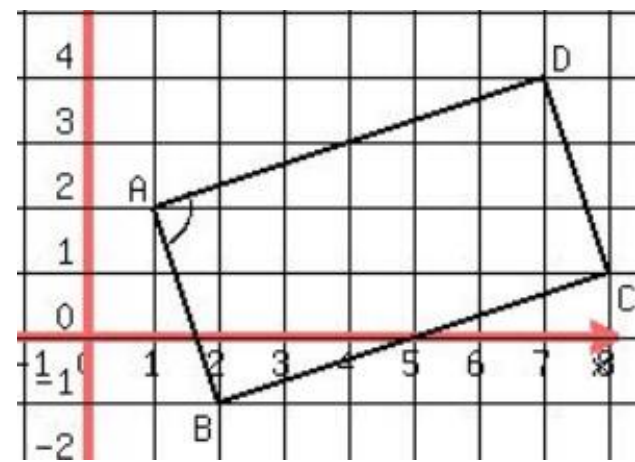
Side	Slope	Length
AB	$-\frac{3}{1}$	$\sqrt{10}$
BC	$\frac{2}{6} = \frac{1}{3}$	$\sqrt{40}$
CD	$-\frac{3}{1}$	$\sqrt{10}$
DA	$\frac{1}{3}$	$\sqrt{40}$



$$\sqrt{2^2 + 6^2}$$

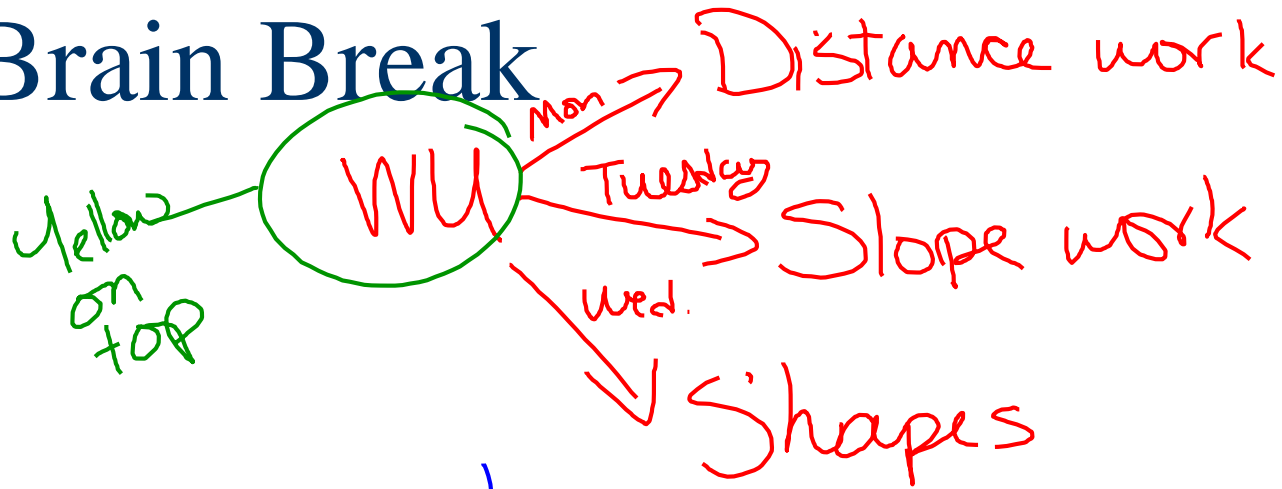
Content Objective: I will use slopes of lines to determine how they are related.  
Social Objective: I will stay on task with my group.  
Language Objective: I will write my thoughts clearly and completely on my investigation paper.

# Extend Warm-up



Side	Slope	Length	Midpoint	Equation
<b>AB</b>				
<b>BC</b>				
<b>CD</b>				
<b>DA</b>				

# Brain Break



Staple

# Practice

- Make a poster:
  - Lengths of every side
  - Slopes of every side
    - Using slopes, relationships between sides
  - Classify the shape
    - What evidence did you use?



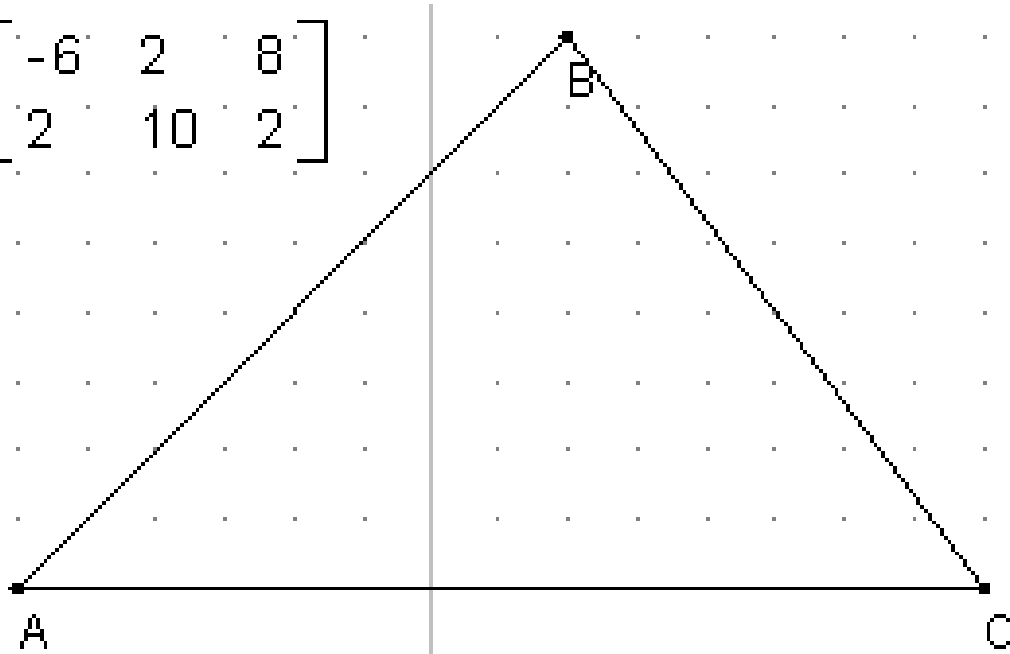


# Gallery Walk

Determine what type of Triangle the diagram below is. Write out the definition of the particular Triangle you believe this to be. Then find the lengths, slopes, midpoints and equations of all lines.

# Practice

$$\Delta ABC = \begin{bmatrix} -6 & 2 & 8 \\ 2 & 10 & 2 \end{bmatrix}$$



Lines	Slope	Length	Midpoint	Equation
AB				
BC				
CA				