

Lesson Plan, **6-9pm, Monday, 29 October, 12018 HE rm. 211**, SDCE, North City Campus
 Instructor: Ms. S. D. Jones

In our ***Learning Toolbox***:

San Diego Futures Foundation (SDFutures.org) for discounted laptops and PCs

Vocabulary:

Copy into your notes, and ***Mind Map*** each word:

<i>Reading Comp. Vocab.</i>	<i>Grammar Vocabulary</i>	<i>Math Vocabulary</i>	<i>Test-taking Skills</i>
Writing your essay	Introductory paragraph	Polygons in the coordinate plane	Divide up a problem into smaller parts
		Quadrants, origin	An irregular polygon
		Irregular	Several smaller shapes
		Regular	Add regular polygons

6pm: Spend one minute contemplating nationalism.

Write one or two sentences explaining what you think is another name for a three sided *regular* polygon might be. (Hint: Regular: *equiangular* and equilateral...)

6:02 Continue on work from your folder (on Reading/Literature/Science/Social Studies).

7pm: Stand up & Stretch, if you wish...

7:00 to 7:15 Work on your Introductory paragraph

7:15 to 7:25 Math lecture, also using this same passage.

7:25-7:30 We will do the first question/problem from **the math** online worksheet together, then you finish the online activities from today's lecture individually on the classroom computers, on your laptop or, on your smart phone.

7pm: work on your Introductory Paragraph for your essay, using your outline and Thesis sentence.

7:15 Mathematics: Polygons in the coordinate plane

What is the number of degrees inside a triangle? A rectangle? Why??

Why: how does that relate to the number of degrees inside any *regular* n-gon?
 recall $180(n-2)$...

How can we draw a polygon on the coordinate plane?

Now let's do the first online math worksheet problem together:

<https://www.khanacademy.org/math/basic-geo/basic-geo-coord-plane/polygons-in-the-coordinate-plane/e/drawing-polygons>

7:30 Please do the remainder of online math worksheet on your own:

<https://www.khanacademy.org/math/basic-geo/basic-geo-coord-plane/polygons-in-the-coordinate-plane/e/drawing-polygons>

Mathematics work online and/or in books from 7:45 until 8:45.

8:40 **Exit Questions:** Monday, Day 28

1. Write one sentence explaining the difference between a regular and an irregular polygon.

2. What is an n-gon?

3. Write one quarter as a fraction, a decimal, a percent and in exponential form (i.e. $9/10 = .9 = 90\% = 9 \cdot (10^{-1})$ for example...)

4. Write the quantity twelve (square root of 144) in numerical form, fractional exponent form, and in radical form.

8:45 Show Ms. Jones your Exit Ticket in your notebook, then get home safely!

# Quantity	Fractional Exponents	Radical form	multiply	exponent	fraction	decimal	percent	<i>Por Ciento</i>
8	$(64)^{1/2}$	$\sqrt{64}$	$4 \cdot 2$	8^1	$64/2, 8/1$	8.0	800%	800/100
3^{-1}	$(1/9)^{1/2}$	$\sqrt{1/9}$	$33 \cdot (1/99)$	3^{-1}	$1/3$.3333	33%	33/100
Quarter			$2 \cdot (1/8)$					25/100
twelve			$3 \cdot 4, 6 \cdot 2$					1200/100