Quadrilateral Facebook Project

You are in charge of creating three facebook accounts for the special quadrilaterals we have discussed in this class. You are in charge of deciding their profile picture, their friends, their wall posts, their likes and dislikes, their favorite music – you are giving them a personality.

Through this project, you will demonstrate your understanding of

- The properties these special quadrilaterals have in relation to other geometric definitions and relations (ie: right angles, parallel lines, vertical angles, equilateral, etc)
- How these special quadrilaterals are related to one another (ie: all rectangles are also parallelograms)
- How these special quadrilaterals appear in pop culture, art, and as an important part of many jobs or areas of study
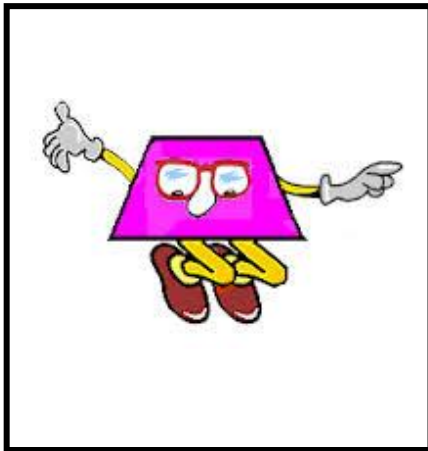
Assignment

Choose any three special quadrilaterals from the following list: Parallelogram, Rectangle, Rhombus, Square, Trapezoid, Isosceles Trapezoid

Create a Facebook Page using the templates you are given or using the PowerPoint template available from me through GoogleDocs. A sample page is shown on the back of this handout and is available on my website. It must include:

- A name for your quadrilateral
- A profile picture
- At least three other pictures of the polygon in real life
- A relevant status update ("What's on your mind?")
- At least four friends that are somehow related or connected to your quadrilateral
- At least two wall posts demonstrating a relationship between your quadrilateral and another mathematical definition, shape, or concept (does not have to be geometric)
- At least one Interest/Hobbies/Like
- At least one favorite Book/Movie/Band/TV Show
- Either a college major or current job in the College information or Work Information section

You must also answer the questions on the back of each facebook template about the information on your quadrilaterals facebook page. All of the information your quadrilaterals put on facebook must be appropriate and somehow relevant to the shape that you picked. This is your chance to be clever and creative with the relationships between geometric figures.

Name: Happy Trappy

What's on your mind?

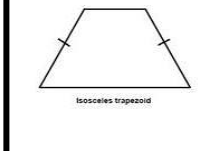is so glad I've got these legs to hold me up today – feeling tired. ☹

Friends

POLYGON	d c e f
	Isosceles trapezoid
Diagonal	Parallel Lines
Slope= $\frac{1}{3}$ (4,3) (1,2) Rise or Δ 3−2 = 1 Run or ΔX 4−1 = 3	$(n-2) \times 180°$

Name: Ms. Summy the Interior Angulator

$(n-2) \times 180°$

Hey Trappy! I just got my new TI-83 Plus in from Amazon and was wondering when you wanted to meet up and calculate those new measurements! Hit me up!

Name: Isoscey Trappy

Isosceles trapezoid

What's up cuz? Hope to see you at the Quadrilateral family reunion on Sunday. It's been way too long since we have hung out. ☺

Interests, Hobbies, Likes

Doing arts and crafts, designing homes and building furniture.

Favorite Books, Movies, Bands, and TV Shows

Favorite Song: Only You by The Platters
Favorite TV Show: Extreme Home Makeover

College Information & Work History

Master's Degree in Architecture from the Harvard University Graduate School of Design
Works at New York Architects & Design, New York City, NY