**Instructions**

*Click and drag to select the assignment questions below. Then press CTRL + C to copy, or right-click the text and then click Copy.*  *In a word processing program such as Notepad or Microsoft Word, open a new blank file. Then press CTRL + V to paste, or right-click the blank area and then click Paste. The assignment questions will appear.* *Save the file in your course and project folder, and name it assignment\_1a\_with your first initial and last name. For example, Jessie Robinson's Assignment 1A would be named assignment\_1a\_JRobinson.* *Complete the steps listed below, and then type the answers to the assignment's questions into the document you just created. You may have more than one day to complete an assignment. At the end of each day, be sure to save your progress.* *Review Lab 4 of the Course Overview for instructions about turning in your assignments.*

**Assignment 1A**

**(20 points)**

*Follow the directions below, and answer each question fully. Complete sentences are not necessary. TIP: You may want to review Lab 3 of Project 1 before you begin*

**Print or Make Graph Paper**

Complete these steps to print or make graph paper. You'll use the graph paper in this assignment.

1. Click the Start menu, and then click My Computer.

2. Double-click Local Disk (C:).

3. Double-click the cad folder.

4. Double-click project\_1.

5. Double-click Graph\_Paper.pdf to open it.

6. Follow the directions in the document to either print it or make your own graph paper

**Assignment Questions**

If you don't already have one nearby, get a pencil before you continue. TIP: You can use a pen if you want, but a pencil will be easier if you need to erase any mistakes.

1. Complete these steps to draw a shape on your graph paper using Cartesian coordinates, and then answer the question below. (5.0 pts)

a. Use your pencil to create a point at the coordinates: 2, 3

b. Create a point at the coordinates: 5, 6

c. Draw a line connecting these two points. TIP: Use your straightedge to help you draw a straight line.

d. Create a point at the coordinates: 8, 3

e. Draw lines from 8, 3 to each of the other two points. TIP: When you're done, it will look like a simple shape.

 f. What shape did you draw on your graph paper? Type your answer below.

Triangle

2. Complete these steps to draw another shape on your graph paper, and then answer the question below. (5.0 pts)

a. Create a point at the coordinates: 3, 2

b. Create a point at the coordinates: 5, 2

c. Draw a line connecting these two points.

d. Create a point at the coordinates: 5, -3

e. Draw a line from 5, -3 to 5, 2.

f. Create a point at the coordinates: 3, -3

g. Draw a line from 3, -3 to 5, -3.

h. Draw a line from 3, -3 to 3, 2.

 i. What shape did you draw on your graph paper? Type your answer bel

Rectangle

3. Complete these steps to draw more points and lines on your graph paper, and then answer the question below. (5.0 pts)

a. Create a point at the coordinates: -2, 2

b. Create a point at the coordinates: -2, 6

c. Draw a line connecting these two points.

d. Create points at -1, 2 and -3, 2, and then draw a line between them.

e. Create points at -1, 6 and -3, 6, and then draw a line between them.

f. Create points at -4, 4 and -6, 4, and then draw a line between them.

g. Create points at -4, 2 and -4, 6, and then draw a line between them.

h. Create points at -6, 2 and -6, 6, and then draw a line between them.

 i. What word did you draw on your graph paper? Type your answer below.

HI

4. Complete these steps to draw more points and lines on your graph paper, and then answer the question below. (5.0 pts)

a. Create a point at the coordinates: -1, -1

b. Create a point at the coordinates: -3, -1

c. Draw a line connecting these two points.

d. Create a point at the coordinates: -2, -4

e. Draw a line from -1, -1 to -2, -4.

f. Create points at -4, -3 and -6, -3, and then draw a line between them.

g. Create points at -4, -1 and -4, -4, and then draw a line between them.

h. Create a point at the coordinates: -6, -1

i. Draw a line from -6, -1 to -6, -3.

j. Create points at -8, -1 and -8, -4, and then draw a line between them.

k. Create a point at the coordinates: -9, -2

l. Draw a line from -8, -1 to -9, -2.

m. Create points at -7, -4 and -9, -4, and then draw a line between them.

n. What 3-digit number did you draw on your graph paper? Type your answer below.

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