Mrs. Hack's PreCalc Class!!!

Find your seat after picking up all papers.
Get a PreCalc textbook from the window shelf.

Complete the Textbook Condition Report <u>First</u> and use the last 5 digits
of the <u>book number</u> NOT the copy number. Print your name.
Then Complete the Personal Data Sheet

<u>Homework:</u> Bring your calculator & book everyday, buy necessary
supplies and do the hw assignment :)

Sep 3-10:36 AM

Grading of homework or tasks on a quiz or test will receive a grade of 0-4 points. A quiz or test question may contain multiple tasks.

4 – You completed the task or demonstrated the understanding independently and correctly. In other words, you could teach this.

3 – You made a minor mistake in your process for an unrelated skill or concept, but otherwise you completed the task or demonstrated the understanding independently and correctly.

2 – You would likely complete the task correctly with my help, but you did not complete the task or demonstrate the understanding either correctly and/or independently.

1 – You did not complete the task or demonstrate the understanding either correctly or independently. Errors in your process indicate that you could not correctly complete the task or demonstrate the understanding without major assistance.

0 – There is not enough information shown to evaluate or there is no process shown at all.

Sep 4-3:52 PM

Late Homework will not be accepted unless you were absent.

Homework Expectations

1. You must write down the original problem (except for word problems)

2. You must show checks when required; otherwise half the credit is lost.

3. Assignments that have "explain" answers will receive a "0" if you choose not to do these problems.

4. Try all the problems. A "?" is not acceptable.

5. Use your notes to do your homework. Problems should be done the same way as modeled in class.

6. Assignment number must be in the upper right corner, along with the assignments (pages and problem numbers).

7. All graphs are to be done on graph paper. (This includes "sketches") You must keep a supply. We will use it throughout the year.

8. Carefully correct your homework when we go over it in class. Homework that has not been checked by you will not earn full credit. The best way to learn is from your mistakes. We all make them.

9. Write legibly.

10. Write your name at the top!

Sep 4-3:53 PM

You have been given 8 late homework passes. Late homework is only accepted when accompanied by a pass; guidelines on pass must be followed. If you are absent, it is your responsibility to turn in the missing assignment the day you return to class. I will **NOT** track you down and remind you about your homework!

Sep 3-10:34 AM

This course is offered for OCC credit. Details to follow...

Aug 26-9:00 AM

Intro to Graphing

You will need a textbook for the notes today

Sep 8-4:59 PM

VG   1. ___H___   2. ___B___   3. ___D___   4. ___A___   5. ___G___

Pg. 70

       6. ___I___   7. ___C___   8. ___J___   9. ___F___   10. ___E___

Sep 8-5:02 PM

Given points: $A(x_1, y_1)$ & $B(x_2, y_2)$

Midpoint Formula:

$$\text{mdpt}\left(x_m, y_m\right) = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right)$$

Sep 8-5:03 PM

Find the midpoint for the segment between the given points:

1. $(6, -1)$ and $(9, 5)$

$$mdpt = \left(\frac{6+9}{2}, \frac{-1+5}{2}\right)$$
$$= \left(\frac{15}{2}, \frac{4}{2}\right)$$
$$= (7.5, 2)$$

2. $(-1/2, 3)$ & $(5/2, 3)$

$$mdpt = \left(\frac{-1/2 + 5/2}{2}, \frac{3+3}{2}\right)$$
$$= \left(\frac{2}{2}, \frac{6}{2}\right)$$
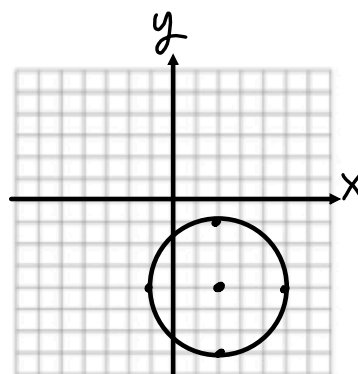$$(1, 3)$$

Sep 8-5:03 PM

Standard Form of the Equation of a Circle with <u>center (h, k)</u> and <u>radius r</u>:

$$(x-h)^2 + (y-k)^2 = r^2$$

3. Graph the circle: $(x - 2)^2 + (y + 4)^2 = 9$

$$Center = (2, -4)$$
$$radius = \sqrt{9} = 3$$

Sep 8-5:04 PM

5

4. Write the equation of a circle with endpoints $(1, 4)$ and $(3, 6)$. Express the equation in standard form.

diameter.

$$(x-h)^2 + (y-k)^2 = r^2$$

Center (h, k)

$$Center = mdpt = \left(\frac{1+3}{2}, \frac{4+6}{2}\right) = (2, 5)$$

r^2 or r

use $(1, 4)$

$$(1-2)^2 + (4-5)^2 = r^2$$
$$(-1)^2 + (-1)^2 = r^2$$
$$1+1 = r^2 = 2$$

$$r = \sqrt{2}$$
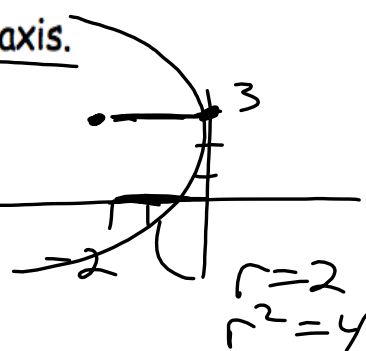
$$(x-2)^2 + (y-5)^2 = 2$$

Sep 7-10:07 AM

5. Write the equation of a circle with endpoints $(2, 3)$ and $(4, -7)$. Express the equation in standard form.
$$(x-3)^2 + (y+2)^2 = 26$$

Aug 21-6:37 PM

6.   <u>Center (-2, 3)</u>, <u>tangent to the y-axis.</u>
        (h,k)

$(x+2)^2 + (y-3)^2 = 4$

3

-2

$r = 2$
$r^2 = 4$

Aug 21-6:37 PM

Sep 2-3:08 PM