

Ilike to call it FRIDAY EVEL reminder Chapter 4 Test is on Wednesday

Some people call it Thursday,

Please pick up the 1/2 sheet for your warm up :)







1. A rectangular pond 5 meters by 7 meters is going to be built. The builders want the pond to be surrounded by a walkway x meters wide.



The area of the concrete walkway (not including the pond) is to be $115 m^2$. Calculate the value of the width of the concrete to make this happen. show your process.

2. Abraham brags, "My cell phone plan is the best! I pay just \$25 per month, and then \$.10 per minute." Abbott quickly counters, "Well my cell phone plan is even better! I only pay \$20 per month and then \$.12 per minute." What do you think: who has the better cell phone plan? Explain completely.



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$$5 - 3(\frac{1}{2}x + 2) = -7$$

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$$\begin{bmatrix} c \end{bmatrix} \quad \left| 2 - \left(\frac{2}{3} \times + \times \right) \right| = 2$$

$$\begin{array}{c} (\underline{4}) & -3 (2x+1)^3 = -192 \\ (2x+1)^3 = 64 \end{array}$$

The AIM

for the next few days...

1 Solve <u>single</u> variable inequalities

2 Graph two variable inequalities

Solve <u>systems</u> of two variable inequalities











b)	 b) You should have found 4 to be the boundary point. Now choose a test point. (a number bigger or smaller than 4). Test your point in the original 			
	<u>inequality</u> . Then write the final solution of your inequality <u>and</u> represent it on the number line above.			

c)	Now solve the original inequality	2x-1 ≥ 7	algebraically to verify above.

the "direct" way doesn't always work with all types of functions so the test point method is necessary.







Solve <u>single</u> variable inequalities (1 Variable)

The solutions to single variable inequalities can always be shown on a number line.



















Now solve the whole inequality algebraically















handout called "Assignment 4.2.1"

you will need your textbook, FYI



