

Good morning: we'll do this problem in our notes when the bell rings

*For what value(s) of  $x$  is this equation true?*

NEED A CALC  
FOR THIS

$$0 = 0.04x^3 - 0.27x^2 - 0.75x + 4.76$$

$2^{nd}$  → Trace → "zero"

$x = -4.25$   
 $x = 4$   
 $x = 7$

Reminders:

- be sure to reassess in DS!

- last assessment: next class

Good afternoon: warm up in notebooks

Use a graphing calculator to find the zeroes of the polynomial:

$$y = 0.2x^3 - 1.1x^2 - 0.9x + 1.8$$

*2nd* *TRACE* *Zero*

$x = -1.5$   
 $x = 1$   
 $x = 6$

Reminders:

- be sure to reassess in DS!

- last assessment: next class

clear out your calc

2nd + 7 1 2

Today's Algebra Review Assessment has been postponed to next class

That means next class we will assess on

- systems of linear equations, inequalities, absolute value equations
- factoring a quadratic to solve, finding roots of a polynomial
- using radian measure
- cross sections of solids
- revolving shapes to form solids

You will be able to practice all of these today and tonight :)

*It's our last assessment together ever (except for reassessments)*



## "Linear Systems, Quadratics, Absolute Value Eq"

2.  $(7, -1)$

10.  $x = \frac{5}{2}$  and  $x = -8$

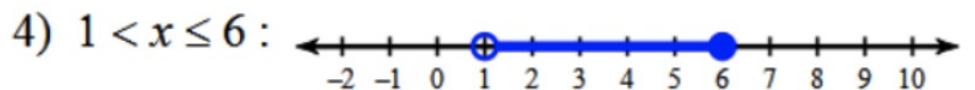
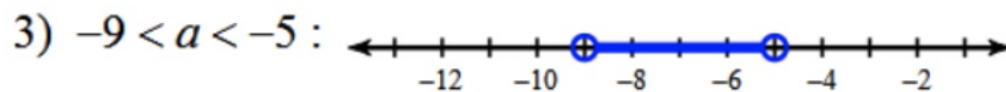
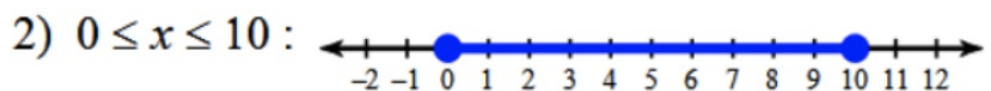
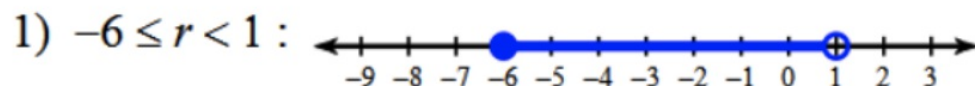
13.  $x = -2$  and  $x = -8$

14.  $x = \frac{1}{2}$  and  $x = \frac{7}{2}$

15.  $x = 9$  and  $x = -5$

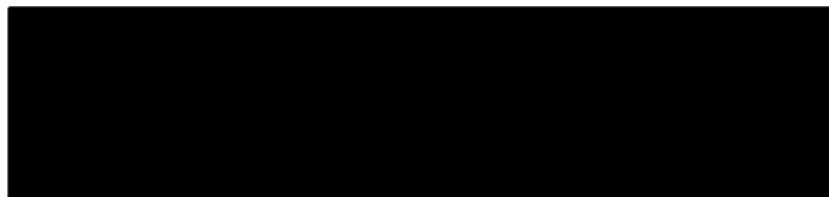
16.  $x = -4$  and  $x = 7$

## "Mini handout"



5)  $x = -6$     $x = 3.2$     $x = 8.1$

6)  $x = -8.1$     $x = -1.1$     $x = 7.1$



Need some more practice?

Find and graph the solution set:  $42 < 2 + 10x \leq 82$

Work on:

- these problems
- weekend hw you didn't do
- the new practice on rad/3D

Find all values of  $x$  such that  $2x^2 - 3x - 54 = 0$

Find the unique  $(x,y)$  solution to the linear system 
$$\begin{cases} 3x - 2y = 2 \\ 5x - 5y = 10 \end{cases}$$

Find all values of  $x$  such that  $\frac{|-4x+2|}{2} - 4 = 7$

Homework:

Prepare for last assessment

radians and cross sections practice (sols at [mgeo.weebly.com](http://mgeo.weebly.com))

look over/do algebra review hw from last week (answers at [mgeo.weebly.com](http://mgeo.weebly.com))

## Assessment

- use your cover sheet
- show all work (not really needed for #5)
- turn into basket when done, pick up radians/cross section/volume practice
- work on practice, finish for hw (solutions posted at [mgeo.weebly.com](http://mgeo.weebly.com))
- last ever assessment: next class 🥲



## Peer Tutoring DS

Sit with your assigned partner please

Fridell-Baker

Brown-Ford

Kirotah-Brundidge

Mosburg-Russell

Duncan-Houston

Carpenter-Martin

McLaren-Cooley

Miller-Kump

Shults-Johnston

Womble-Kasco

MayoB-MalloG

Moore-Woods

What to work on:

- algebra practice hw assigned Friday (answers online)
- radians/cross sections from today (solutions online)
- study/review/practice for a reassessment
- do a reassessment