

Mr. Northcutt's Math Classes Class Presentation

April 10, 2009 (135)



Math 1



Math 2



Applied Math



Math 1 – Daily Summary

- **Announcements**
 - I have Bus Duty - will not be in room until 3:45!
- **Class Objectives – What you should learn today!**
 - QUIZ Review - Great Job!
 - Introduction to Linear Inequalities
 - Will move to Systems of Linear Inequalities on Monday
- **Assignment**
 - **Worksheet:** Linear Inequalities

Review of Inequalities

1. Region
2. Open/Closed
3. Negatives



- **Graph:**

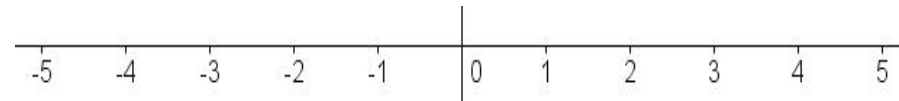
$$x = 1 \text{ vs. } x \geq 1$$

$$x < 2$$



$$-2x + 4 > 2$$

$$-3x + 5 \leq 2$$

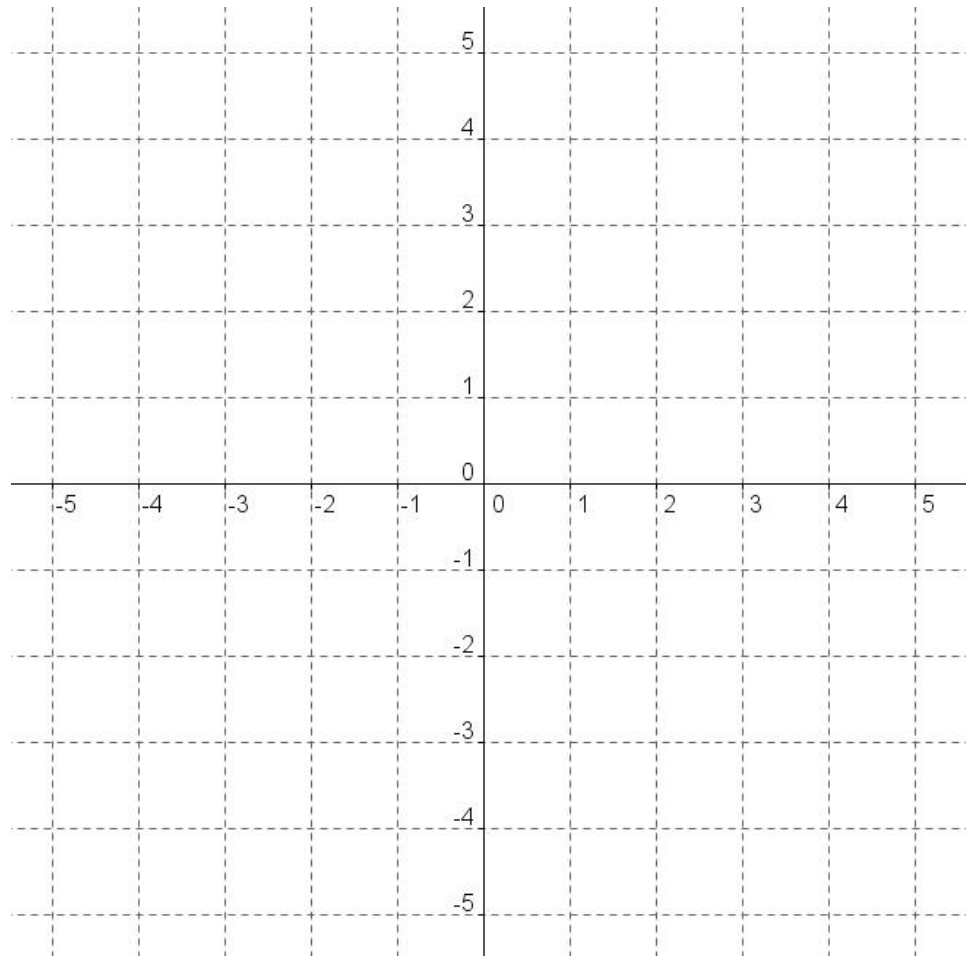


What about Inequalities with a Line



- How might you graph solution? $y \geq 2x - 1$

Test Possible
Solutions. How?





Math 2 – Daily Summary

- **Announcements**

- I have Bus Duty - will not be in room until 3:45!
- **TEST: Chapter 11 (Volume) on Monday.**

- **Class Objectives – *What you should learn today!***

- Chapter 11 Review (Volume)
 - Terminology
 - Volume of Prisms and Cylinders
 - Volume of Pyramids and Cones
 - Displacement & Density
 - Volume and Surface Area of a Sphere

- **Assignment**

- **Sample Test** (Due on Monday)

I Suggest Working Problems
in Chapter Review too!

Quick Review of Volume...



- **Terminology**

- Polyhedrons: Named based on the **# of faces** of the solid.
- Edge and Vertex of a Polyhedron
- Prisms and Pyramids
 - Base, Lateral Face, Lateral Edge, Vertex, Right, Oblique, Height/Altitude
- ...Cylinders and Cones
 - Center, Radius, Hemisphere, Great Circle, Axis



Quick Review of Volume...

• **Volume of Prisms and Cylinders** $V =$ _____

• **Volume of Pyramids and Cones** $V =$ _____

• **Displacement & Density** *density* = _____

• **Volume and Surface Area of a Sphere**

$V =$ _____

$S =$ _____



Applied Math – Daily Summary

- **Announcements**

- I have Bus Duty - will not be in room until 3:45!
- **TEST: Chapter 9 (Systems of Equations) on Tuesday.**

- **Class Objectives – *What you should learn today!***

- More applications of systems of equations.

- **Assignment**

- **Worksheet:** Applications of Systems of Equations II

**See example problems
from worksheet!**