

Mr. Northcutt's Math Classes Class Presentation

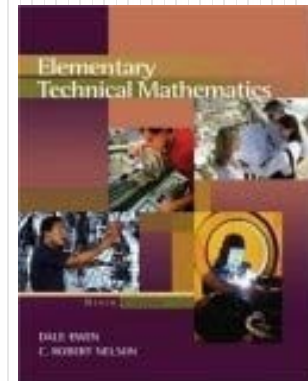
March 11, 2009 (118)



Math 1



Math 2



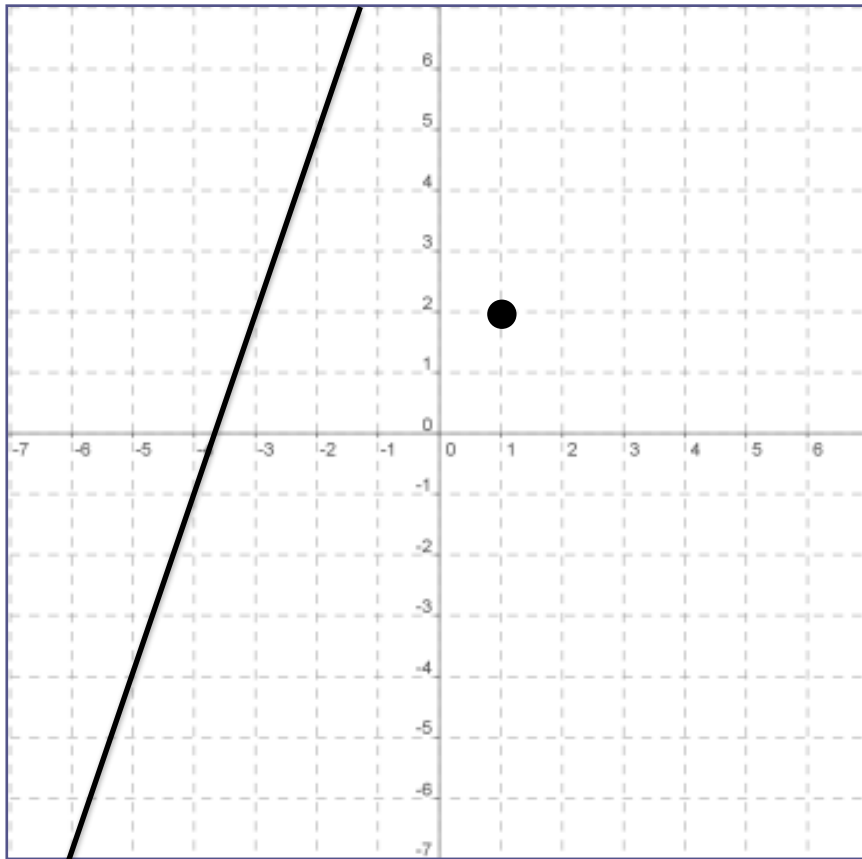
Applied Math



Math 1 – Daily Summary

- **Announcements**
 - **PI Day on FRIDAY!** π
- **Class Objectives – *What you should learn today!***
 - **Review: All Forms of Lines**
 - Slope-Intercept, Standard & Point-Slope Form
 - X- and Y-Intercepts
 - Parallel and Perpendicular Lines
 - Transformation from one form of a line to another...
- **Assignment**
 - **Worksheet: Equation of Lines Review**

Worksheet Example - **SHOW WORK!**



Slope-Intercept Form = _____

Standard Form = _____

Point-Slope Form = _____

Slope = _____

X-intercept = _____

Y-intercept = _____

Parallel Line (thru Point A) = _____

Perpendicular Line (thru Point A) = _____



Math 2 – Daily Summary

- **Announcements**

- CRT-Science 4th Period Tomorrow.

- **PI Day on FRIDAY!** π

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

- Application of Trigonometric Ratios & Inverses

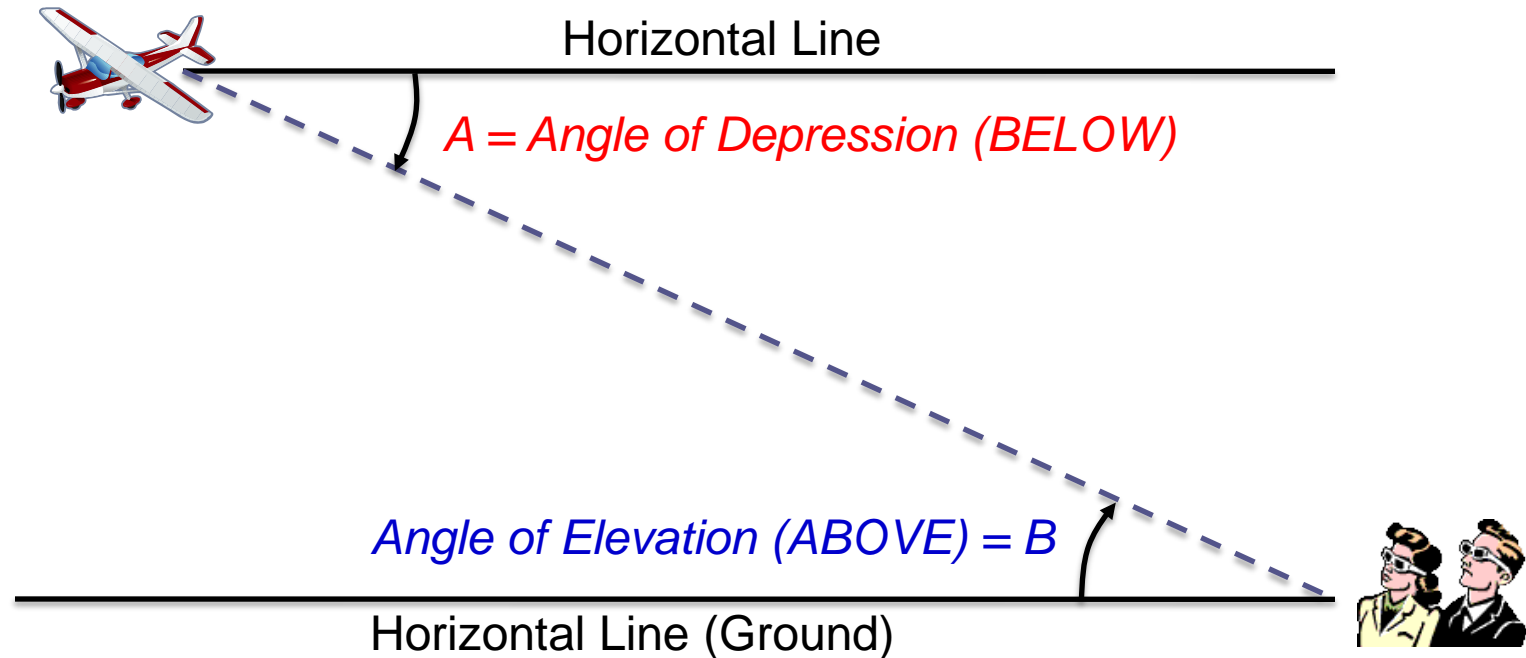
- **Assignment**

- **Lesson 13.2: 1-23**



Angles of Depression & Elevation

- Angle between the horizontal and the line of sight to an object BELOW/ABOVE the horizontal.





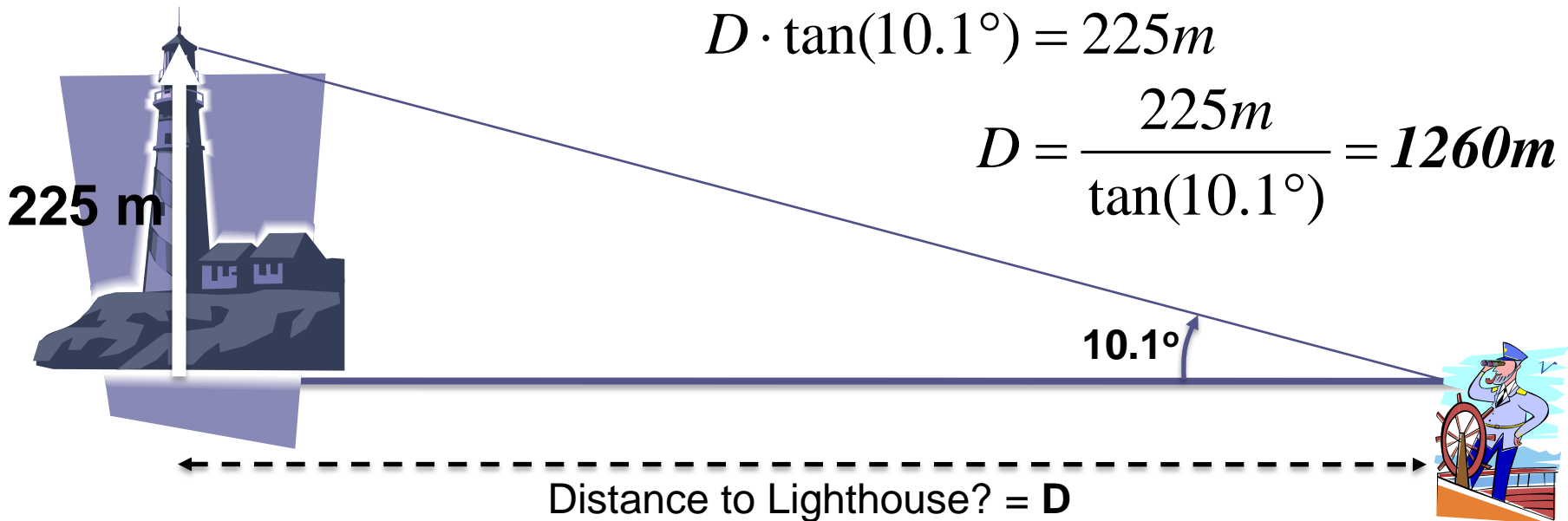
Example #1

- A ship's navigator measure the angle of elevation to the beacon of a lighthouse to be 10.1° . He knows the beacon is 225m above sea level. How far is the ship from the lighthouse?

$$\tan(10.1^\circ) = \frac{225m}{D}$$

$$D \cdot \tan(10.1^\circ) = 225m$$

$$D = \frac{225m}{\tan(10.1^\circ)} = 1260m$$





Applied Math – Daily Summary

- **Announcements**

- **PI Day on FRIDAY!**



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

- **Complete Projects!!!**

- **Project Criteria:**

- Related to Trigonometry
- Educationally “Appropriate”
- Duration 2-4 Days & Amount of Work Appropriate
- Able to Execute (materials, weather, etc.)
- Fun!

- **Assignment**

- **Project Due Tomorrow (25 TEST POINTS)**