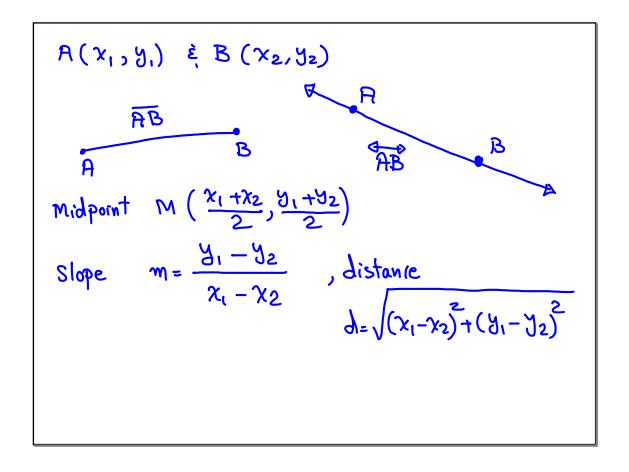
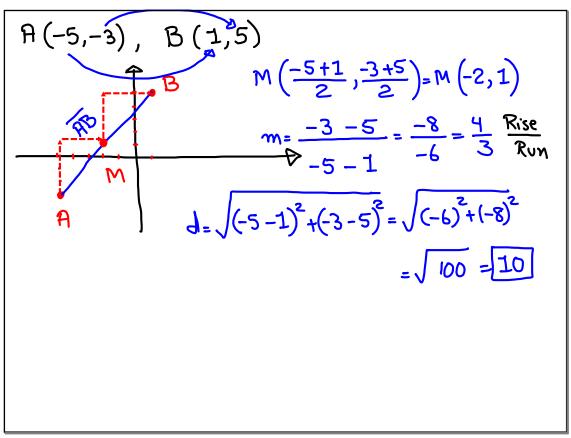
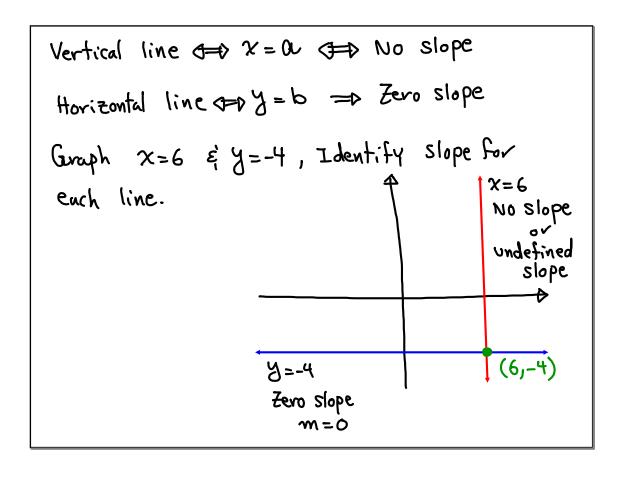
Math 115 Summer 2017 Lecture 7



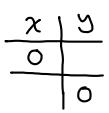




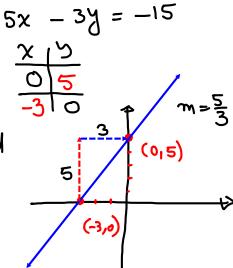


Slant line

1) Standard form Ax + By = Cuse intercept method to graph

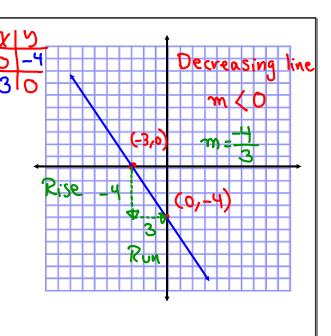


This is the best method when C is divisible by both A and B.



m>0 & Increasing

Caraph using the intercept method find its slope, Show rise & run of slope on the graph.



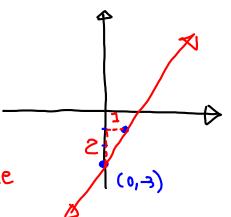
Slant line

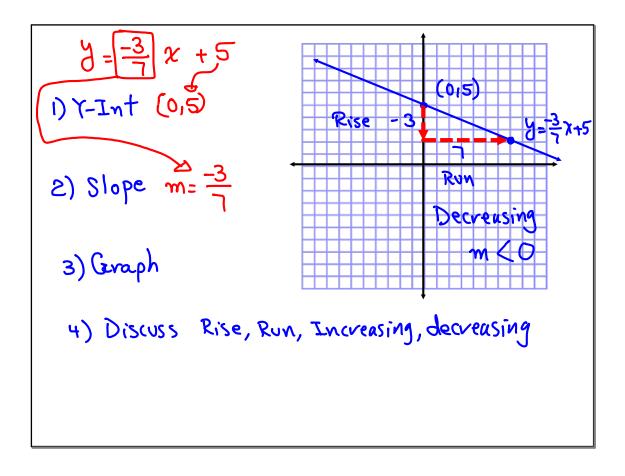
Y-Int (0, b), Slope m

$$y = 2x - 3$$

Y-Int
$$(0, -3)$$
, $m=2=\frac{2}{1}$

m) 0 <=> Increasing line





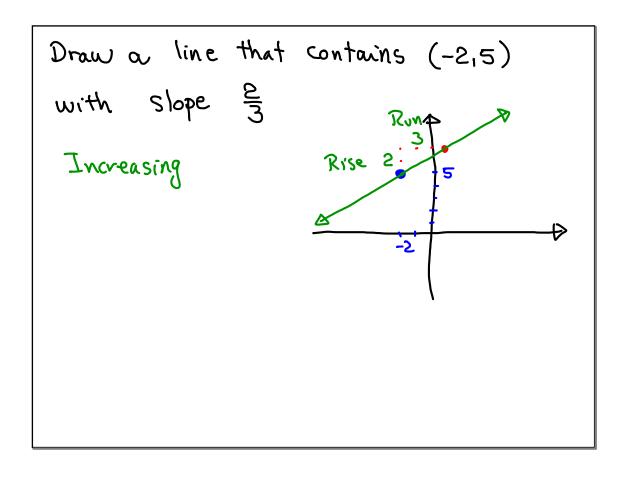
2
$$\chi$$
 + 5 γ = -15

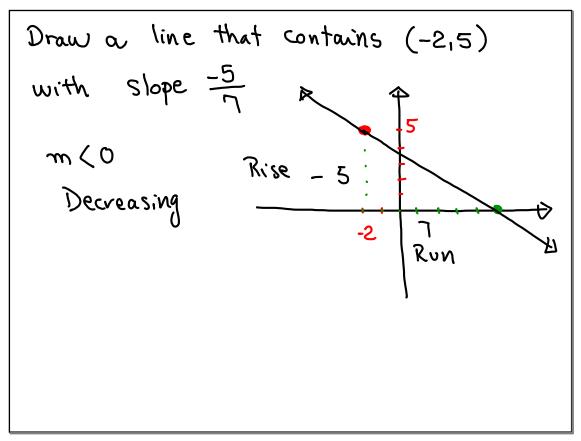
1) write in Slope-Int. Form $\gamma = \frac{-2}{5}\chi - \frac{15}{5}$

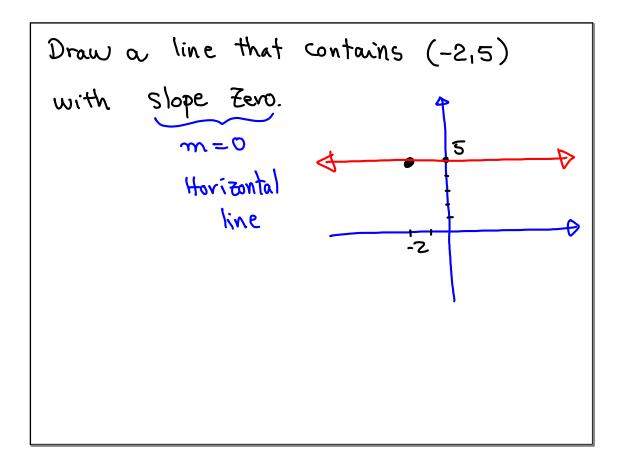
2) γ -Int ξ slope
(0,-3) $m = \frac{-2}{5}$

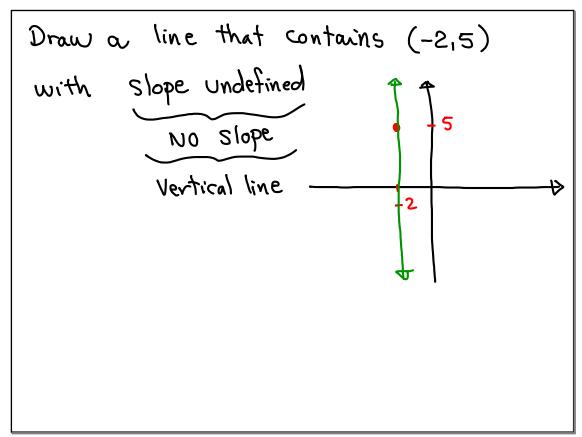
3) Draw, Discuss rise ξ run,
Discuss Increasing / Decreasing

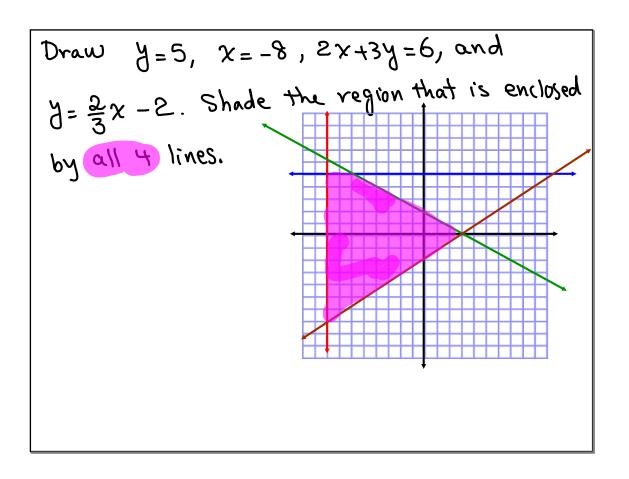
m(0) Decreasing line χ



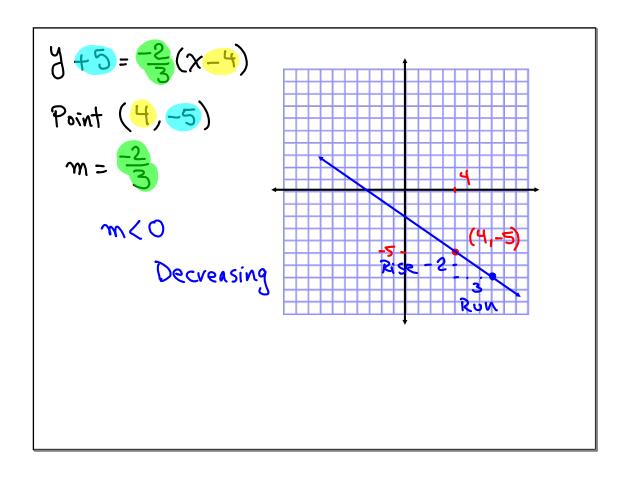


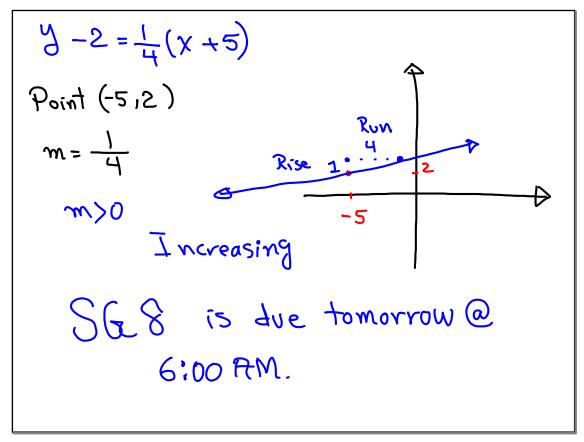


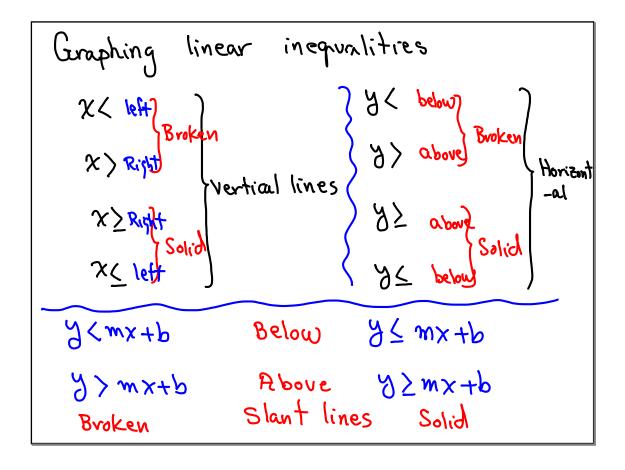


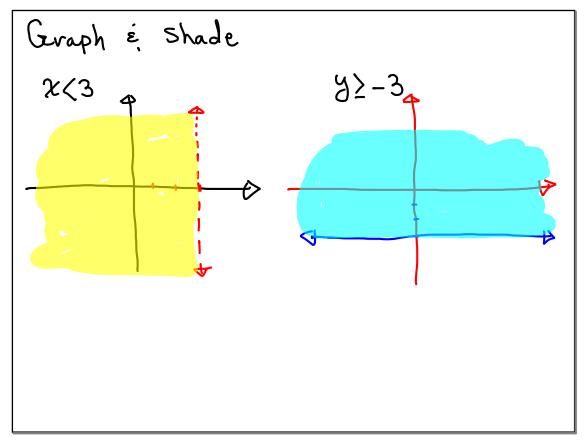


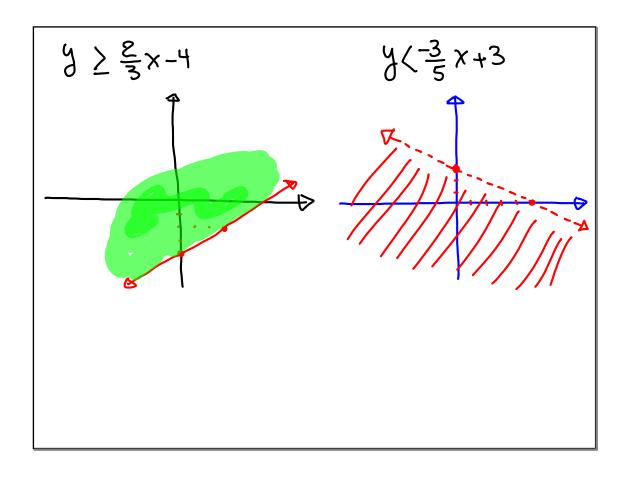
Graphing Point - slope Form of a line $3 - \frac{3}{5}(x-4) \\
\text{Point (4:2)} \\
\text{Slope } m = \frac{3}{5}$ Thereasing Rise 3 (4:2)











Graph & Shade!

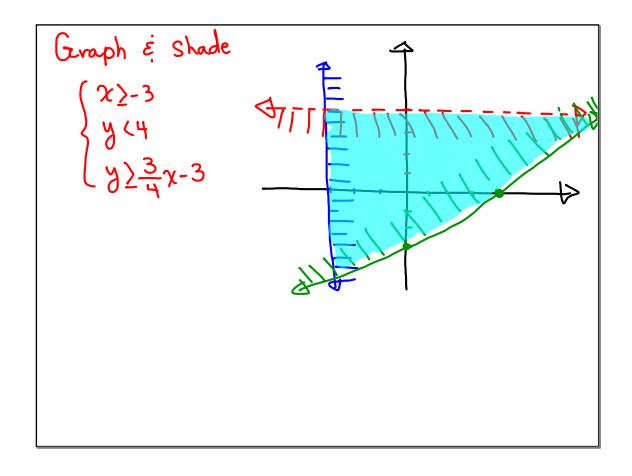
$$2x-3y < 9$$
 $-3y \times -2x + 9$

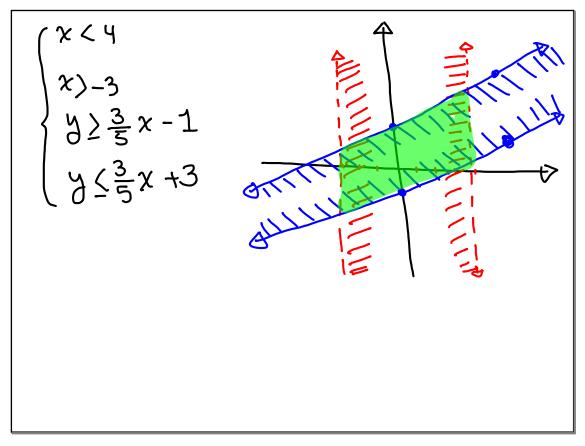
Divide by -3
 $y > \frac{-2}{-3}x + \frac{9}{-3}$
 $y > \frac{2}{3}x - 3$

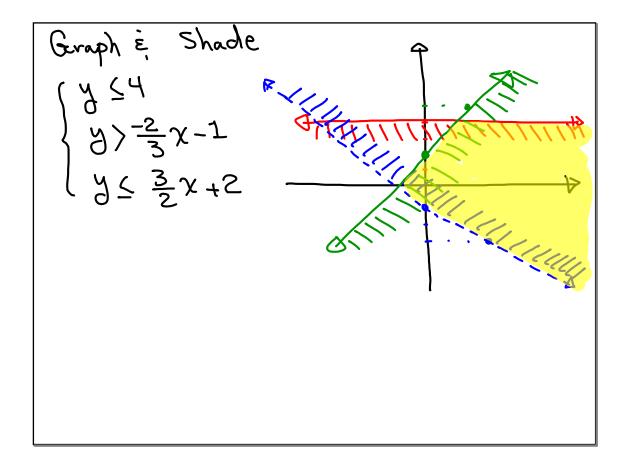
Hint: Write in Slope-Int. Form

"Isolate Y"

 $3y \times -2x + 9$
 $3y \times -2x + 9$







Due Tomorrow: SG 8

Work on last Pase of SG 9 $\stackrel{?}{\varepsilon}$ 10.

Find an angle such that the sum of

Four times the angle and 3 times its

Supplement is 565°. Angle | Comp. | Suppl. 4x + 3(180 - x) = 565 x = 25 x = 25

Find an angle such that the difference between 5 times its supplement and twice its complement is equal to 630.

Angle Comp. Suppl.

5. Suppl. $-2.(\text{comp.} = 630^{\circ})$ 70-x 70-x 70-x 180-x 70-x 180-x 180-x

