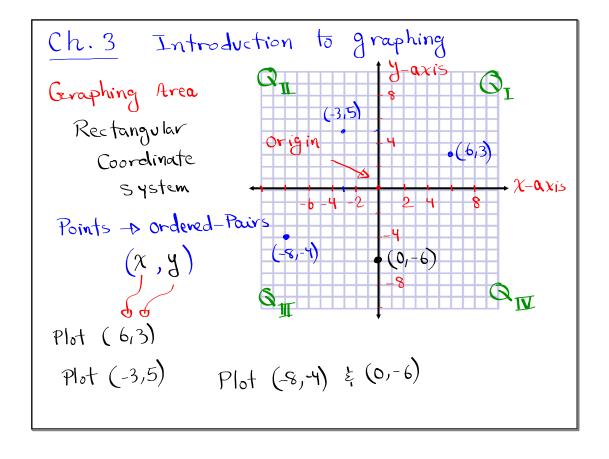
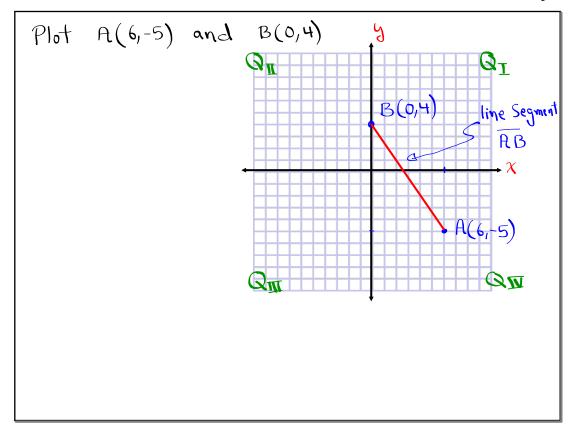
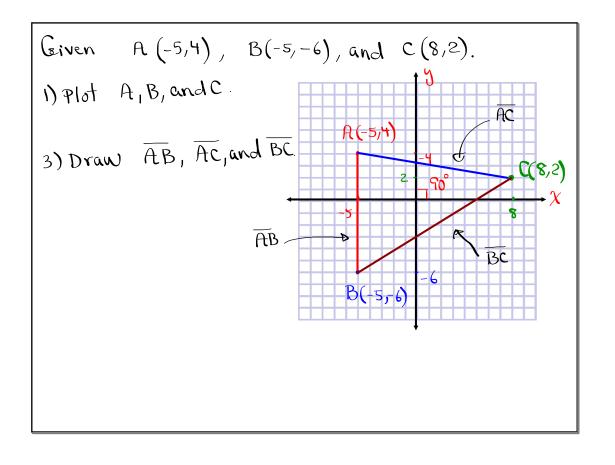


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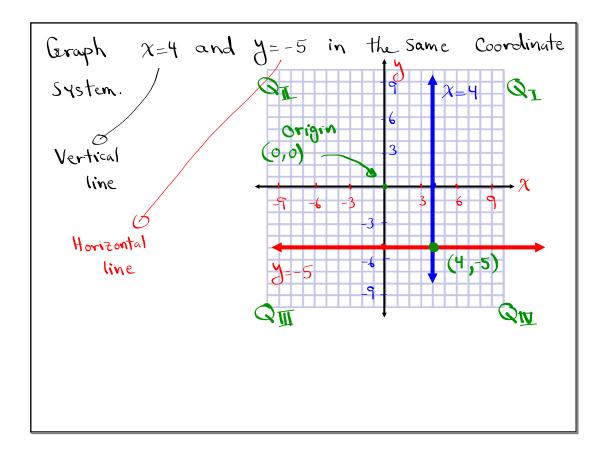


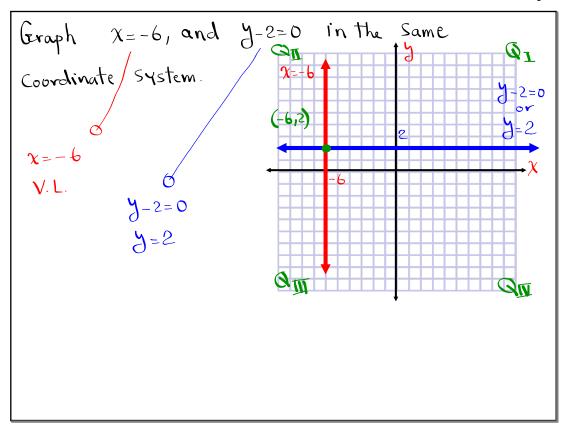


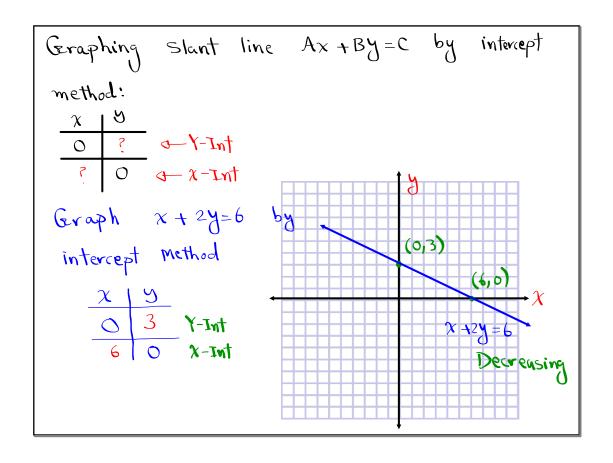


Types of line:

1) Vertical  $\chi=0$   $\chi=4$ 2) Horizontal y=b y=-53) Slant Ax + By = C 2x + 3y = 12Standard Ax + By = C  $y=\frac{1}{2}x - 4$   $y-y=m(x-x_1)$   $y-3=\frac{-2}{3}(x+4)$ Slope-Int Ax + By = C Ax + By = C



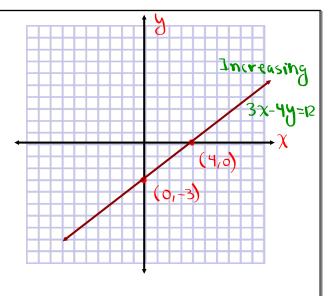






$$3x - 4y = 12$$
 by

intercept method:



Graph  $\chi=-5$ , y=6, and

$$3x + 5y = -15$$
 in

the same Coordinate

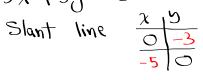
system.

$$\chi=\alpha \longrightarrow V.L.$$

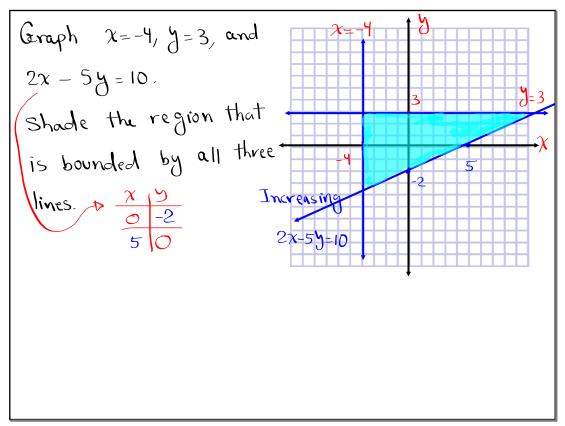
$$Ax + By = C \rightarrow S.L.$$

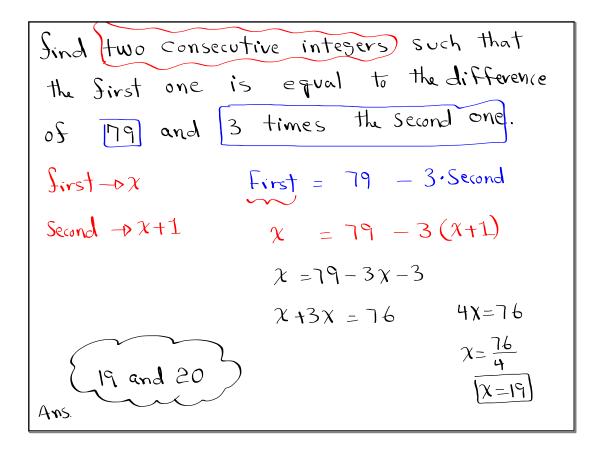


$$3x + 5y = -15$$









Find two consecutive even integers such that 3 times the smaller one increased by 5 times the larger one is equal to 154.

Similarly 45 larger = 154

Second 
$$\Rightarrow x+2$$
 $3 \cdot x + 5(x+2) = 154$ 
 $8x = 154 - 10$ 
 $8x = 144$ 
 $x = 18$ 

Ans:

Sind two consecutive odd integers Such that

6 times the smaller one reduced by 783

is equal to 
$$-9$$
 times the larger one.

Smaller  $\rightarrow x$ 

6. Smaller  $-783 = -9$ . larger

Larger  $\rightarrow x+2$ 

6x  $-783 = -9x-18$ 

6x  $+9x = -18 + 783$ 

15x = 765

 $x = \frac{765}{15}$ 
 $x = 51$ 

Ans.

