Find the x-int and slope of

$2x+3y=5$

method I

Put in slope-intercept form

$$y = \frac{-2x}{3} + \frac{5}{3}$$

slope $\frac{-2}{3}$ by inspection

y-int $\frac{5}{3}$ by inspection

For x-int

Let $y=0$, solve for x

$$0 = \frac{-2x}{3} + \frac{5}{3}$$

$$0 = -2x + 5$$

$$x = \frac{5}{2}$$

x int is $5/2$

method II

$$2x+3y=5$$

x-int: Let $y=0$

$$2x+3(0)=5$$

$$2x=5$$

y-int Let $x=0$

$$2(0)+3y=5$$

$$y=5/3$$

For slope get slope-intercept form

Solve for y

$$2x+3y=5$$

$$3y=-2x+5$$

$$y=\frac{-2}{3}x+\frac{5}{3}$$

slope is $-2/3$

Find both intercepts & slope of

[1] $2x+3y=5$

method I

Put in slope-intercept form

$$y = \frac{-2x}{3} + \frac{5}{3}$$

slope $\frac{-2}{3}$ by insp.

y-int $\frac{5}{3}$ by insp.

For x-int
Let $y=0$, solve for x

$$0 = \frac{-2x}{3} + \frac{5}{3}$$

$$0 = -2x+5$$

$$x = \frac{5}{2}$$

x int is $5/2$

method II

$$2x+3y=5$$

x-int: Let $y=0$

$$2x+3(0)=5$$

$$x = 5/2$$

y-int Let $x=0$

$$2(0)+3y=5$$

$$y = 5/3$$

For slope get slope-intercept form
Solve for y

$$2x+3y=5$$

$$3y = -2x+5$$

$$y = \frac{-2x}{3} + \frac{5}{3}$$

slope is $\frac{-2}{3}$