# 5.4 Graph Using Slope-Intercept Form

NOTES





# **Summary:**



### 5.4 Graph Using Slope Intercept Form

# PRACTICE







## 5.4 Graphing Using Slope Intercept Form

**1.** Solve for *y* and identify parts of the line.

3x - 5y = 20

Slope m =

y-intercept b =

3. Which equation has the same *y*-intercept as the graph shown?

- A)  $y = \frac{12-6x}{4}$
- B) 6y + x = 18
- C) 27 + 3y = 6x
- D) y + 3 = 6x

# 2. Graph $y = -\frac{4}{3}x - 6$



# APPLICATION

Mr. Brust has been a long time, huge Jonas Brothers Fan. He challenges them to game of Rock Band. Mr. Brust selects the song "Paranoid" to rawk out to. Below shows the points each player has going into the 20 second guitar solo. Use the information to answer the questions.



NICK	Mr. Brust
Nick enters the guitar solo with 11 points but does not	Mr. Brust's points are given in the graph. $_{24}$
earn any points during the solo.	
10. What is the initial value?	Score (pts) (pts)
11. What is the rate of change? Label it	
12. Write an equation to represent this.	
13. Fill in the table. Graph it. Label the axis.	
24	
time score	14. Fill in the table <sup>(sec)</sup>
(sec) (points)	time score 15 What is the v-intercent?
	(sec) (points)
	0
	1 16. What does the <i>v</i> -intercept
	2 mean in this situation?
	3
	4
	17. What is the slope? What does it mean?