![C:\Users\julielynn_austin.old\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\9IBUI4T7\bunting[1].png]()

**Linear – Multiple Representations**

**Problem:** An amusement park charges a $\$6$ base fee to enter the park and an additional $\$2$ per ride.



|  |  |
| --- | --- |
| IndependentVariable | DependentVariable |
| x | y |
| $$0$$ |  |
| $$1$$ |  |
| $$2$$ |  |
| $$3$$ |  |
| $$5$$ |  |
| $$8$$ |  |

m = \_\_\_\_\_\_\_

b = \_\_\_\_\_\_\_

y = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

![C:\Users\julielynn_austin.old\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\18JNHGP5\347911,1264387710,1[1].jpg]()

1. What is the meaning of the slope in this situation?
2. What is the meaning of the y-intercept in this situation?
3. How much will it cost to go to the park and ride 3 rides?
4. What about 5 rides? 10 rides? 20 rides? 100 rides?
5. How many rides can you ride for $\$44$?

![C:\Users\julielynn_austin.old\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\18JNHGP5\SteveLambert-Roller-Coaster-Tracks[1].png]()