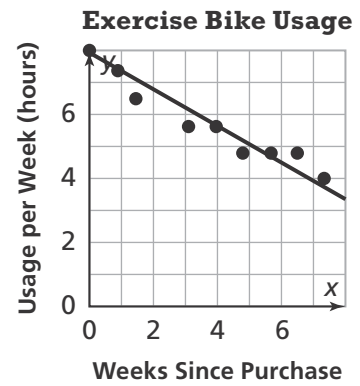


The scatter plot shows the amount of time customers use a newly purchased exercise bike over several weeks. The equation of the trend line is $y = -0.5x + 8$. Predict the length of time a customer uses the bike 6 weeks after buying it.



$$y = -0.5x + 8$$

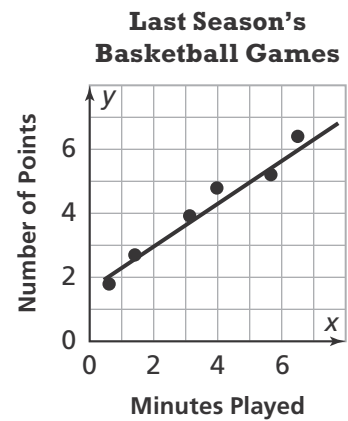
Substitute 6 for x.

$$y = -0.5(6) + 8$$

$$y = 5$$

Six weeks after buying an exercise bike, a customer is likely to ride it about 5 hours per week.

Andy made a scatter plot comparing minutes he played and points he scored in last season's basketball games. The equation of the trend line, rounded to the nearest tenth, is $y = 0.7x + 1.7$. Predict how many points Andy might have scored if he had played 20 minutes.



1. What is the given x-value that can be used to make the prediction?
2. Show the x-value substituted into the equation of the trend line. Then solve the equation and round the answer to the nearest whole number.
3. Predict how many points Andy might have scored if he played 12 minutes. Round the answer to the nearest whole number.

On the Back!

4. Jacob made a scatter plot showing the number of hours students watched TV the night before a test and their test scores. The equation of the trend line is $y = -6x + 89$. Predict the score of a student who watched 2 hours of television the night before a test.