Name: _____

Line of Best Fit Predictions

Use the equation of the line of best fit to make each prediction.

1. A line of best fit for test score after x hours of study is y = 1.5x + 6. Predict y when x = 20.

Answer: _____

2. A line of best fit for a car's value (thousands of $) after x years is y = -1.5x + 48. Predict y when x = 15.

Answer: _____

3. A line of best fit for test score after x hours of study is y = -2x + 29. Predict y when x = 11.

Answer: _____

4. A line of best fit for plant height (cm) after x days is y = 0.5x + 52. Predict y when x = 14.

Answer: _____

5. A line of best fit for plant height (cm) after x days is y = 4x + 53. Predict y when x = 18.

Answer: _____

6. A line of best fit for plant height (cm) after x days is y = 1.5x + 37. Predict y when x = 18.

Answer: _____

7. A line of best fit for plant height (cm) after x days is y = -2x + 10. Predict y when x = 20.

Answer: _____

8. A line of best fit for plant height (cm) after x days is y = 1.5x + 5. Predict y when x = 6.

Answer: _____

9. A line of best fit for test score after x hours of study is y = 3x + 47. Predict y when x = 13.

Answer: _____

10. A line of best fit for plant height (cm) after x days is y = 3x + 6. Predict y when x = 16.

Answer: _____

Name: **ANSWER KEY**

Line of Best Fit Predictions

Use the equation of the line of best fit to make each prediction.

1. A line of best fit for test score after x hours of study is y = 1.5x + 6. Predict y when x = 20.

Answer: 36

2. A line of best fit for a car's value (thousands of $) after x years is y = -1.5x + 48. Predict y when x = 15.

Answer: 25.5

3. A line of best fit for test score after x hours of study is y = -2x + 29. Predict y when x = 11.

Answer: 7

4. A line of best fit for plant height (cm) after x days is y = 0.5x + 52. Predict y when x = 14.

Answer: 59

5. A line of best fit for plant height (cm) after x days is y = 4x + 53. Predict y when x = 18.

Answer: 125

6. A line of best fit for plant height (cm) after x days is y = 1.5x + 37. Predict y when x = 18.

Answer: 64

7. A line of best fit for plant height (cm) after x days is y = -2x + 10. Predict y when x = 20.

Answer: −30

8. A line of best fit for plant height (cm) after x days is y = 1.5x + 5. Predict y when x = 6.

Answer: 14

9. A line of best fit for test score after x hours of study is y = 3x + 47. Predict y when x = 13.

Answer: 86

10. A line of best fit for plant height (cm) after x days is y = 3x + 6. Predict y when x = 16.

Answer: 54