Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_

Unit 6 Review

Graph the following lines.

1. \_\_\_\_\_ \_\_\_\_\_ 2. \_\_\_\_\_ \_\_\_\_\_





3. \_\_\_\_\_ \_\_\_\_\_ 4. \_\_\_\_\_ \_\_\_\_\_



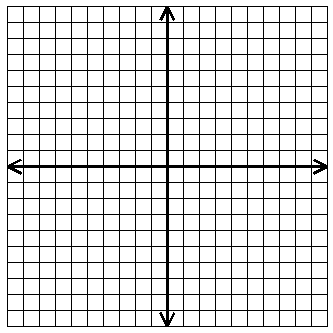


5. \_\_\_\_\_ \_\_\_\_\_ 6. \_\_\_\_\_ \_\_\_\_\_





Use the graph below to answer the following questions.



7. What is the slope of the line? \_\_\_\_\_\_\_\_\_\_

8. What is the y-intercept of the line?\_\_\_\_\_\_\_\_\_\_

9. What is the equation of the line?\_\_\_\_\_\_\_\_\_\_

10. What is the value of “” when ?\_\_\_\_\_\_\_\_\_\_

11. What is the value of “” when ?\_\_\_\_\_\_\_\_\_\_

12. Write the equation for the given line.



\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Use the graph below to answer the following questions.**



For line find:

13. Slope = \_\_\_\_\_\_\_\_

14. y-intercept = \_\_\_\_\_\_\_\_

15. The value of when \_\_\_\_\_\_\_\_

1. The value of when \_\_\_\_\_\_\_\_
2. The equation of line \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For line find:

18. Slope = \_\_\_\_\_\_\_\_

19. y-intercept = \_\_\_\_\_\_\_\_

1. The value of when \_\_\_\_\_\_\_\_
2. The value of when \_\_\_\_\_\_\_\_
3. The equation of line \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Write the equation of the line given the following information.**

|  |  |
| --- | --- |
| 1. Slope of and y-intercept of | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Slope of and passing through | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Slope of and passing through | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Slope of and x-intercept of | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |  |
| --- | --- |
| 1. Vertical line through | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Horizontal line through | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Solve the following.

|  |  |
| --- | --- |
| 1. Circle the points that lie on the following line. | a.    b.  c. |
| 30. What is the range of  when the domain is ? | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 31. Solve for : | \_\_\_\_\_\_\_ |
| 1. If is a solution to the equation   , what is the value of ? | \_\_\_\_\_\_\_ |

**Answers**











