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

**Unit 11 Review**

Solve by FACTORING.

|  |  |
| --- | --- |
| 1. Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_ | 1.

Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 3. Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1.

Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Solve each of the following using square roots. Leave answers in simple radical form, when necessary.**

|  |  |
| --- | --- |
| Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_ | 1.

Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1.

Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1.

Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Find the number of solutions for the following quadratic equations using the discriminant. Then, solve each equation using the quadratic formula.**

11.

 Number of Solutions: \_\_\_\_\_

 Solutions:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12.

 Number of Solutions: \_\_\_\_\_

 Solutions:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13.

 Number of Solutions: \_\_\_\_\_

 Solutions:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Review**

|  |
| --- |
| 14. **SOLVE:**   |
| 15. **SIMPLIFY:**  |
| 16. **Factor**:  |

Use the graph below to answer 17 – 18.

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

 18. What is the equation of the line shown?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19. Which inequality best describes the graph? 20. What are the x- and y-intercepts



 for the graph shown?

 A.



 B.

 C.

 D.

 E.

**ANSWERS**