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

**Unit 11 Review**

Solve by FACTORING.

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

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

|  |  |
| --- | --- |
| Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_ | Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 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**: |

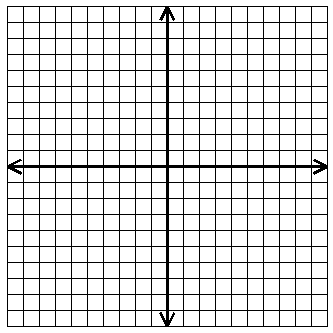
Use the graph below to answer 17 – 18.



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

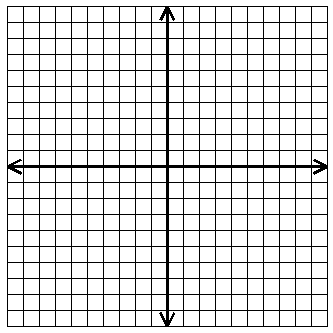
18. What is the equation of the line shown?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**