

Math 10

Name \_\_\_\_\_

## Factoring: Difference of Squares and Perfect Squares

Date \_\_\_\_\_

Factor each completely.

1)  $n^2 - 9$

2)  $25a^2 - 9$

3)  $k^2 - 4$

4)  $16x^2 - 9$

5)  $x^2 - 25$

6)  $25x^2 - 16y^2$

7)  $u^2 - 16v^2$

8)  $u^2 - 9v^2$

9)  $4x^2 - y^2$

10)  $a^2 - 25b^2$

11)  $9m^2 + 12m + 4$

12)  $16r^2 + 8r + 1$

13)  $25x^2 - 20x + 4$

14)  $16n^2 + 40n + 25$

15)  $9b^2 - 24b + 16$

16)  $16m^2 - 24mn + 9n^2$

17)  $9x^2 - 6xy + y^2$


18)  $25x^2 + 10xy + y^2$

19)  $x^2 - 8xy + 16y^2$

20)  $9x^2 + 24xy + 16y^2$



difference  
of  
squares



perfect  
square  
trinomial

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