

## Factoring Difference of Squares

Factor each binomial if possible. If not possible, write "prime" and explain why it won't factor.

1)  $4x^2 - 9$

2)  $25a^2 - 49$

3)  $k^2 - 64$

4)  $16 - x^2$

5)  $9x^2 + 16$

6)  $8x^2 - 18$