SM 2

Name:_____ Period:_____

SM2 HW 5.6 Factoring Differences of Squares

Factor each binomial completely, if possible. Don't forget to check for common factors.

1. $x^2 - 1$
2. $k^2 - 36$
3. $q^2 + 49$
4. $y^2 - 121$
5. $p^2 - 9$
6. $2v^2 - 32$
7. $36m^2 - 49$
8. $81n^2 - 1$
9. $81v^2 - 225$
10. $512x^2 - 8$
11. $3x^2 + 75$
12. $169y^2 - 100$
13. $144 - 49t^2$
14. $128u^2 - 50$
15. $196k^2 - 81$
16. $25a^2 - 121b^2$
17. $-18p^2 + 32q^2$
18. $z^4 - 81$

19. How can you tell whether a binomial is a difference of squares?