

HW SECTION 11.1

Name _____

Worksheet: Factoring Perfect Square Trinomials

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Factor each completely. (All are factorable.)

1) $16x^2 + 40x + 25$

2) $36v^2 - 132v + 121$

3) $121m^2 - 198m + 81$

4) $49p^2 - 28p + 4$

5) $100b^2 - 180b + 81$

6) $25x^2 + 110x + 121$

7) $25n^2 - 40n + 16$

8) $144x^2 + 264x + 121$

9) $36x^2 - 60x + 25$

10) $4a^2 - 36a + 81$

11) $25k^2 - 80k + 64$

12) $r^2 - 22r + 121$

13) $4n^2 - 28n + 49$

14) $100n^2 - 60n + 9$

15) $121n^2 - 110n + 25$

16) $x^2 + 24x + 144$