

12.5.D1 ~ Special Products

Past due on _____ Period _____

Factor completely. (If necessary, refer to the 12.5 example "Identifying Special Products of Degree 2" in the Chapter 12 Summary.)

1) $4r^2 - 12r + 9$

2) $9n^2 - 4$

3) $4r^2 - 25$

4) $16x^2 - 56x + 49$

5) $7v^2 - 112$

6) $45 - 120x + 80x^2$

7) $36b^2 + 48b + 16$

8) $5n^2 - 20$

Factor each trinomial completely. (If necessary, refer to the 12.3 example, "Factoring Trinomials" in the Chapter 12 Summary.)

9) $10b^2 + 13b + 4$

10) $4p^2 - 23p + 15$

11) $4n^2 + 19n + 12$

12) $8a^2 + 35a + 12$

13) $6n^2 - 5n - 6$

14) $9a^2 + 74a + 16$