

5B practice #1

Name \_\_\_\_\_

1. Factor  $p^2 - 4p - 12$

2. Expand the product  $(x - 3)(x + 5)$

3. Factor  $6y^2 + 17y + 7$

4. Factor  $x^2 - 64$

5. Expand the product  $(2x - 4)(x + 6)$

6. Factor  $x^2 - 13x + 40$

7. Simplify:  $(4x^2 - 7x + 2) + (-3x^2 + x - 12) + (x^2 + 4x + 8)$

8. Factor  $x^2 - 81$

9. Expand the product  $(3x - 5)(x + 9)$

10. Factor  $-4t^2 + 21t - 49$

11. Simplify:  $(x^2 - 5x + 7) + (-2x^2 + x - 5) + (4x^2 + 3x + 14)$

12. Expand the product  $(x - 7)(x + 3)$