

5B practice #3

Name _____

Period _____

1. Simplify: $(3x^2 + 6x - 12) + (2x^2 - 3x + 8) - (8x^2 + 15x - 1)$

2. Factor $n^2 - 2n - 8$:

3. Expand $(x - 13)(x + 2)$:

4. Factor $5a^2 - 2a - 16$:

5. Factor $x^2 - 16$:

6. Factor $x^2 + 7x + 6$:

7. Expand $(7x - 4)(x + 6)$:

8. Simplify: $(8x^2 - 13x + 4) + (x^2 - 5x + 18) + (4x^2 - 5x + 22)$

9. Factor $r^2 + 7r - 30$:

10. Expand $(x + 7)(x - 1)$:

11. Factor $7m^2 + 4m - 3$:

12. Factor $x^2 - 25$:

13. Factor $p^2 + 15p + 56$:

14. Expand $(2x + 5)(x - 9)$: