Fluency Practice: MULTIPLYING POLYNOMIALS

Name:_____   Period:_____

Directions: Multiply each pair of polynomials. **Show all work.**

1. $(d - 3)(d^2 + 7d - 5) =$

2. $(e^2 - 10e + 12)(4e + 5) =$

3. $(3f^2 - f + 8)(2f + 7) =$

4. $(4g - 3)(3g^2 + 8g + 2) =$

5. $(5h + 6)(7h^2 - 15h + 8) =$

6. $(10j^2 - 5j - 9)(6j - 7)^2 =$

7. $(2k^2 + 7k - 3)(k^2 - 4k + 6) =$

8. $(5m^2 - 8m - 6)(3m^2 - 5m + 11)^2 =$

9. $(8n^2 + 12n + 7)(2n^2 - 13n + 1) =$

10. $(7p^2 - 9p + 15)(5p^2 + 6p - 16) =$

11. $(12q^2 - 3q + 1)(8q^2 + 6q - 3) =$

12. $(7r^2 - 15r - 10)(15r^2 + 9r - 8) =$