

ALGEBRA 1 REVIEW WS
FOIL and FACTORING

Name _____
Date _____

Find each product by using F.O.I.L.

1. $(3x + 2)(x + 3)$

2. $(2y - 3)(2y + 3)$

3. $(8b - 1)(5b - 5)$

4. $(5n - 2)(5n - 8)$

5. $(5v + 4)(3v - 6)$

6. $(2m - 5)(3m + 1)$

Factor each quadratic completely. Remember to factor out the GCF.

7. $m^2 - 2m - 3$

8. $2n^2 - 4n + 2$

Factor each quadratic completely. Remember to factor out the GCF.

9. $4x^2 + 11x - 20$

10. $25y^2 - 16$

11. $3x^2 + 15x + 12$

12. $6p^2 + 13p - 5$

13. $5m^2 - m - 18$

14. $28n^4 + 16n^3 - 80n^2$

SOLUTIONS:

1. $3x^2 + 11x + 6$

3. $40b^2 - 45b + 5$

5. $15v^2 - 18v - 24$

7. $(m + 1)(m - 3)$

9. $(4x - 5)(x + 4)$

11. $3(x + 4)(x + 1)$

13. $(5m + 9)(m - 2)$

2. $4y^2 - 9$

4. $25n^2 - 50n + 16$

6. $6m^2 - 13m - 5$

8. $2(n - 1)(n - 1)$

10. $(5y - 4)(5y + 4)$

12. $(3p - 1)(2p + 5)$

14. $4n^2(7n - 10)(n + 2)$