

Multiplying Polynomials

Find each product.

1) $6x(2y + 3)$

2) $7(-5v - 8)$

3) $2x(-2x - 3)$

4) $-4(v + 1)$

5) $(2n + 2)(6n + 1)$

6) $(4n + 1)(2n + 6)$

7) $(x - 3)(6x - 2)$

8) $(8p - 2)(6p + 2)$

9) $(6p + 8)(5p - 8)$

10) $(3m - 1)(8m + 7)$

11) $(2a - 1)(8a - 5)$

12) $(5n + 6)(5n - 5)$

NAME _____
FACTORING POLYNOMIALS WORKSHEET

Factor out the GCF from each polynomial.

1. $-16x^4 - 32x^3 - 80x^2$

2. $14x^5 - 24x^4$

3. $x^3 + 3x$

4. $-43x^2 + 387x$

5. $-6x^5 + 3x^3$

6. $96x^3 - 48x^2 + 60x$

7. $33x^2 + 363x$

8. $-3x^6 + 15x^4$

Factor Completely.

9. $x^2 - 3x - 88$

10. $x^2 - 16x + 48$

11. $x^2 + 11x + 30$

12. $x^2 - 14x + 33$

13. $x^2 + x - 30$

14. $x^2 - 3x - 70$