

Basics of Factoring Station

Find the prime factorization for each monomial.

1) -98

2) $35a^3$

3) $-60xy^4$

Find the Greatest Common Factor for each group of monomials.

4) $45x^2, 18x^3$

5) $-55abc, -33bcd$

6) $15x^2y^2, -9x^3y, 12x^2y^3$

Factor out the GCF from each polynomial.

7) $8ab - 10ac^2$

8) $-20x^4 - 35x^2$

9) $4m^2n + 6mn - 8m^3n^2$

Factor by grouping.

10) $2ab + 10a + 3b + 15$

11) $2x^3 - 3x^2 - 10x + 15$

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