

## Factoring Test Review

- 1) List the prime factorization for each of the following (Factor tree)
- 17325
  - 1690
- 2) Simplify  $12x^6y^3 - 16x^2y^4 + 4y^5 - 8x^6y^3 + 16x^2y^4 + 6y^5$  then factor.
- 3) Expand and simplify each
- $(x-7)^3$
  - $(2x^2 - 5x + 7)(3x^3 - 4x^2 - 8)$
  - $(5x + 6)(2y - 1) + (4x - 3)(3y - 7)$
  - $(-4x + 3)^2 - (6x - 5)^2$
- 4) Factor each completely :
- $6b^2a^2 - 24b^2$
  - $3x^2 + x - 10$
  - $x^2 - 4y^2$
  - $m^2 - 10m - 11$
  - $25x^2 - 30x + 9$
  - $2n^2 - 9n + 9$
  - $15x^2 - 12y^2$
  - $2x^2 - 2x - 60$
  - $4x^2 + 100xy + 625y^2$
  - $36n^2 - 81$
  - $a^2 - 9a - 36$
  - $15xy - 25x^2y^3 + 75x^2$
  - $-56x^3 + 80$
  - $9m^4 + 30m^2n^2 + 25n^4$
  - $5v^2 - 26v - 63$
  - $64x^2 - 36y^2$
  - $2x^2 - 2x - 40$
  - $4x^2 + 25$
  - $3x^2 - 17xy + 10y^2$
  - $100x^2 - 140x + 49$
  - $25r^2 - 49$
  - $p^2 - 5p - 84$

## Attachments

---

Puzzle Worksheet - Grouping Like Terms.pdf

Puzzle Worksheet - Distribution Property.pdf

Example - Squaring a Binomial.avi

Worksheet - Factor GCF & Simple Trinomials.doc

Worksheet - Factoring Review.doc

Puzzle Worksheet - GCF.pdf

Puzzle Worksheet - Simple Trinomials.pdf

Worksheet - Expanding.pdf

Puzzle Worksheet - Difference of Squares.pdf

Puzzle Worksheet - Review of Factoring.pdf

Assignment - Expand\_Simplify\_Factor Mar. 2014.pdf

Review - Factoring.pdf