

Factors and Prime Factorization

Directions: Write all the factors of the number. If the number is composite, write the prime factorization.

1. 144
2. 87
3. 504
4. 53

Directions: Factor the monomial.

5. $24ab$
6. $4x^3y^2$
7. $72m^2$

Directions: List the factors of the monomial.

8. $60a^2$
9. $56xy^2$

10. What is the prime factorization of 36?

- a) $1 \times 2 \times 2 \times 3 \times 3$
- b) $2 \times 2 \times 3 \times 3$
- c) $2 \times 3 \times 3 \times 3$
- d) $3 \times 3 \times 4$