

Learning Targets: I understand and can use vocabulary: term, coefficient, variable, exponent, factor, product.

Use this expression to identify, terms, coefficient, variable, exponent, product, factor

$$9a^3 - 35y^2 - 30$$

Terms: _____

Coefficients: _____

Variables: _____

Exponents: _____

List the factors of each term:

List the each of the terms as a product of two factors:

Write these expressions using exponents

$$4 \times 4 \times 4 \times 4 = \underline{\hspace{2cm}}$$

$$nnnmmm = \underline{\hspace{2cm}}$$

$$xxxyyyyyzzzz = \underline{\hspace{2cm}}$$

$$xyxyxyxyxx = \underline{\hspace{2cm}}$$

Write out all factors of:

$$15a^3$$

$$25n^4$$

Simplify each term by writing out factors then recombining them:

$$1) n^4 \cdot 2n^3$$

$$2) 3v^4 \cdot 4v^4$$

$$3) 2r^4 \cdot 3r^2$$

$$4) 4x^4 \cdot x^2$$

$$5) 3n^2 \cdot 6n^2$$

$$6) 5r^3 \cdot 3r^4$$

$$7) 3x \cdot 6x$$

$$8) 8v^3 \cdot 4v$$

$$9) 2x \cdot 4x^2$$

$$10) 7r^3 \cdot 3r$$

$$11) 2uv \cdot 7u^3v^3$$

$$12) 7x^2 \cdot x^2y^4$$

$$13) v^2 \cdot u^2v^2 \cdot 4u^2v^2$$

$$14) 4yx^4 \cdot 3y^4 \cdot 7y^3$$