1. Fill in the blank.

   The numerical factor of a term is the _____.

   The numerical factor of a term is the (1) _____

   (1) ◯ coefficient.
   ◯ degree.

2. Select the correct choice that completes the sentence below.

   A(n) (1) _____ is a finite sum of terms in which all variables are raised to nonnegative integer powers and no variables appear in any denominator.

   (1) ◯ polynomial
   ◯ equation
   ◯ coefficient

3. Fill in the blank.

   A (1) _____ is a polynomial with exactly two terms.

   (1) ◯ binomial
   ◯ monomial
   ◯ trinomial
   ◯ constant

4. Select the correct choice that completes the sentence below.

   A (1) _____ is a polynomial with 1 term.

   (1) ◯ binomial
   ◯ monomial
   ◯ trinomial

5. Fill in the blank.

   A (1) _____ is a polynomial with exactly three terms.

   (1) ◯ binomial
   ◯ monomial
   ◯ trinomial
   ◯ constant

6. Fill in the blank.

The _____ of a polynomial is the largest degree of all its terms.

The (1) _____ of a polynomial is the largest degree of all its terms.

(1) ○ degree
     ○ coefficient

7. Select the correct choice that completes the sentence below.

(1) _____ terms contain the same variables raised to the same powers.

(1) ○ Like
     ○ Unlike

8. Find the degree of the given term.

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The degree is _____ .

9. Find the degree of the polynomial and indicate whether the polynomial is a monomial, binomial, trinomial, or none of these.

    6x + 0.7

Classify the given polynomial.

○ monomial
○ binomial
○ trinomial
○ none of these

The degree of the polynomial is _____ .

10. Classify the polynomial as a monomial, binomial, trinomial, or none of these. Also, give the degree.

    $x^2 - 16x + 64$

Choose the correct type of polynomial.

○ Trinomial   ○ Monomial
○ Binomial   ○ None of these

What is the degree of the polynomial?

The degree is _____ .

11. Simplify by combining like terms.

$$9y + 8y - 7y^2 - 2y^2$$

$9y + 8y - 7y^2 - 2y^2 = \underline{\hspace{2cm}}$

12. Simplify by combining like terms.

$$-6x^2y + 8x - 5x^2y - \frac{1}{3} - 4x$$

$-6x^2y + 8x - 5x^2y - \frac{1}{3} - 4x = \underline{\hspace{2cm}}$

1. (1) coefficient.

2. (1) polynomial

3. (1) binomial

4. (1) monomial

5. (1) trinomial

6. (1) degree

7. (1) Like

8. 0

9. binomial

   1

10. Trinomial

    2

11. $17y - 9y^2$

12. $-11x^2y + 4x - \dfrac{1}{3}$