ALC Liberal Arts

Unit 2

1. An exponent; the number that tells how many times a number is used as a factor is called a

a. polynomial

b. power (of a number)

c. trinomial

d. variable

2. A polynomial with exactly *two* terms

a. binomial

b. expression

c. monomial

d. natural numbers

3. Any symbol, usually a letter, which could represent a number

a. polynomial

b. power (of a number)

c. trinomial

d. variable

4. A collection of numbers, symbols, and/or operation signs that stands for a number

a. binomial

b. expression

c. monomial

d. natural numbers

5. A fraction whose numerator and/or denominator are polynomials

a. rational expression

b. simplest form (of an expression)

c. trinomial

d. coefficient

6. A whole number that has more than two factors

a. like terms

b. monomial

c. polynomial

d. composite number

7. A polynomial with exactly 3 terms

a. binomial

b. monomial

c. trinomial

d. polynomial

8. The number part in front of an algebraic term signifying multiplication

a. rational expression

b. simplest form (of an expression)

c. trinomial

d. coefficient

9. 3b2 – bis a

a. binomial

b. monomial

c. trinomial

d. term

10. 6b3 is a

a. binomial

b. monomial

c. trinomial

d. coefficient

11. (6t)(-3t3) completely simplified is

a. 63t3

b. -63t3

c. -18t4

d. 18t4

12. (5a)(-a6)

a. 5a5

b. -5a5

c. 5a6

d. -5a6

13. (-6*r*2*s*)(4*r*2*s*3)

a. 10r4s3

b. -10r4s4

c. -24 r4s4

d. 24 r4s4

14. (6x)2(-2x2y3)(0)(-2x)2 completely simplified is

a. 0

b. 144x6y3

c. -48 x6y3

d. -144x6y3

15. (-5a)(ab3)(-3a2bc) completely simplified is

a. 8a2b3c

b. -8a4b4c

c. 15a2b3c

d. 15 a4b4c

16. (y2z)(-3x2z2)(-y4z) completely simplified is

a. 3x2y2z2

b. 3x2y6z4

c. -3x2y6z4

d. -3x2y2z2

17. (-6b)(ab4)(-4a2bc2) completely simplified is

a. 24a3b6c2

b. -24a3b6c2

c. 10a3b6c2

d. -10a3b6c2

18. (x3y2)(-2x2y)(-x4y2) completely simplified is

a. x9y5

b. -2x9y4

c. 2x9y5

d. -2x9y5

19. (-*a*)2(4*a*2)(3*a*)2 completely simplified is

a. 12a6

b. -36a6

c. -12a6

d. 36a6

20. -*s*3(*s*2*t*2)(4*s*)(-2*t*4) completely simplified is

a. 6s6t6

b. -8s6t6

c. 8s6t6

d. -6s6t6