

Name: Key

UNIT 7 DAY 4

STUDY GUIDE FOR QUIZ

Classifying Polynomials

1) $3n^2 + 6 - 10n$ trinomial, quadratic

2) $9x^3$ cubic monomial

3) $-4p$ linear monomial

4) $2r^3 + 6r^4$ quartic binomial

5) $2p^2 + 5 + 5p$ trinomial quadratic

6) $-8k + 6$ binomial linear

7) $6p^2 + 2 - 8p$ trinomial quadratic

8) $-5r + 9$ binomial linear

9) $-9a^3 + a$

10) $7x^4$

A) cubic monomial

A) linear monomial

B) quadratic binomial

B) linear polynomial with four terms

C) cubic binomial

C) quartic trinomial

D) constant binomial

D) quartic monomial

Add/Subtract Polynomials

11) $(8n + 2n^2) + (2n - 3n^2)$
 $8n + 2n^2 + 2n - 3n^2$
 $-n^2 + 10n$

12) $(4x^3 + 7x^4) - (8x^3 + 7x^4)$
 $4x^3 + 7x^4 - 8x^3 - 7x^4$
 $-4x^3$

13) $(5 + 4v + 2v^4) - (3v^3 - 2v^4 - 1)$
 $5 + 4v + 2v^4 - 3v^3 + 2v^4 + 1$
 $4v^4 - 3v^3 + 4v + 6$

14) $(8x - x^2 + 1) - (2x - 2 + 6x^2)$
 $8x - x^2 + 1 - 2x + 2 - 6x^2$
 $-7x^2 + 6x + 3$

15) $(4p^2 - 5p^3 + 7 - 7p) - (4 - 7p - 8p^4 + 8p^2)$
 $4p^2 - 5p^3 + 7 - 7p - 4 + 7p + 8p^4 - 8p^2$
 $8p^4 - 5p^3 - 4p^2 + 3$

16) $(2a^3 + 7 + 4a^2 + 7a^4) - (4 - 3a^4 - 6a^2 + 6a)$
 $2a^3 + 7 + 4a^2 + 7a^4 - 4 + 3a^4 + 6a^2 - 6a$
 $10a^4 + 2a^3 + 10a^2 - 6a + 3$