Algebra 2 - Task 3.1   Name_____

Classifying Polynomials   Date_____ Period____
Name each polynomial by degree and number of terms.

1) $-3x^5 - 10x^4 - x^3 + 4x$ 2) $7n - 4$

3) $-5p^4$ 4) $-10k^2 - 10$

5) $-9m^2 - m$ 6) $8x^6 + 2x + 5$

7) k^5 8) $-r$

Write in Standard Form. Then name each polynomial by degree and number of terms.

9) $-10p^2$ 10) $7m^2 - m + 8m^4 + 6m^3$

11) $10b^3$ 12) $-8x^4 + 2x^3 + 9x^5$

13) $-6x^4 - 5x - 9x^3$ 14) $-3n$

15) 10 16) $4a^2$

17) $10 - 10x$ 18) $10 - 5n^3$

19) 2 20) $10x^5 - 8x^3$

Classifying Polynomials

Name each polynomial by degree and number of terms.

1) $-3x^5 - 10x^4 - x^3 + 4x$

   quintic polynomial with four terms

2) $7n - 4$

   linear binomial

3) $-5p^4$

   quartic monomial

4) $-10k^2 - 10$

   quadratic binomial

5) $-9m^2 - m$

   quadratic binomial

6) $8x^6 + 2x + 5$

   sixth degree trinomial

7) k^5

   quintic monomial

8) $-r$

   linear monomial

Write in Standard Form. Then name each polynomial by degree and number of terms.

9) $-10p^2$

   quadratic monomial

10) $7m^2 - m + 8m^4 + 6m^3$

    quartic polynomial with four terms

11) $10b^3$

    cubic monomial

12) $-8x^4 + 2x^3 + 9x^5$

    quintic trinomial

13) $-6x^4 - 5x - 9x^3$

    quartic trinomial

14) $-3n$

    linear monomial

15) 10

    constant monomial

16) $4a^2$

    quadratic monomial

17) $10 - 10x$

    linear binomial

18) $10 - 5n^3$

    cubic binomial

19) 2

    constant monomial

20) $10x^5 - 8x^3$

    quintic binomial