

Assignment

Date _____ Period _____

Classify each Polynomial and state the degree.

1) -9

2) $9x$

3) $-7r^6 + 8r^2 + 7$

4) $-p^6 + 4p^2 + 6p$

5) $r^4 - 7r^2$

Put in Ascending Order

6) $-7 - 4k$

7) $-4v - 9v^2 - 5 - v^3$

8) $6 - 10n + 5n^2$

9) $-5 - 10a^2 + 6a - 3a^4 - 10a^3$

10) $-4 + m^4$

Evaluate each function at the given value.

11) $f(a) = a^3 - 5a^2 - 3a + 22$ at $a = 5$

12) $f(n) = n^3 + n^2 - 7n + 7$ at $n = 2$

13) $f(a) = 2a^3 + 6a^2 - 18a + 15$ at $a = -5$

14) $f(n) = n^3 + 3n^2 + 2n + 7$ at $n = -2$

15) $f(n) = n^3 - 9n^2 + 23n - 5$ at $n = 5$