

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

### 13.1 – Polynomial Functions

Write each polynomial in standard form. Then, classify it by degree and by number of terms.

1.  $7x + 3x + 5$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

2.  $5 - 3x$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

3.  $2x^2 - 3 + 7x$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

4.  $-x^3 + x^4 + x$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

5.  $-4x + 3x + 2x^2$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

6.  $5x^2 + 3x^3 + 1$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

7.  $-x^5 + 6$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

8.  $3 + 12x$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

9.  $6x^3 - x^3$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

10.  $7x^3 - 10x^3 + x^2$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

11.  $4x + 5x^2 + 8$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

12.  $x^2 - x^4 + 2x^2$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

13.  $8x - 4x + x^3$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

14.  $x^2 + x^3 - 4x^4$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

15. 7

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

16.  $6x^2$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

17.  $2x^3 + x^4$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_

18.  $3x^5 + 4x - 3x^3 + 9$

Standard Form: \_\_\_\_\_

Name: \_\_\_\_\_