

Practice 6-1

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

6. $1 - 2s + 5s^4$

9. $-1 + 2x^2$

12. $2 + 3x^3 - 2$

15. $a^3(a^2 + a + 1)$

18. $(3c^2)^2$

21. $\frac{2}{3} + s^2$

~~7. $5m^2 - 3m^2$~~

10. $5m^2 - 3m^3$

~~13. $6 - 2x^3 - 4 + x^3$~~

16. $x(x + 5) - 5(x + 5)$

19. $-(3 - b)$

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

~~11. $5x - 7x^2$~~

~~14. $6x - 7x$~~

17. $p(p - 5) + 6$

~~20. $6(2x - 1)$~~

Practice 6-2

Write each expression as a polynomial in standard form.

14. $x(x - 1)^2$

15. $(x + 3)^2(x + 1)$

16. $(x + 4)(2x - 5)(x + 5)^2$

17. $(x - 5)^3$