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Module 2 Writing and Simplifying Algebraic Expressions
Lesson 1 Using the Language of Algebra

additional practice

Identify the coefficient of each monomial.

1. $-2G$ _____

2. p _____

3. $5.7T$ _____

4. $-0.03k$ _____

5. $\frac{u}{4}$ _____

6. $-\frac{B}{8}$ _____

7. $\frac{9x}{11}$ _____

8. $-\frac{3r}{8}$ _____

Give an example of a term that consists of:

9. A decimal number _____

10. A single variable with coefficient –1 _____

11. A coefficient with two variables _____

12. A coefficient of $\frac{1}{3}$ with a cubed variable _____

13. An integer _____

14. Two variables with a coefficient of negative 4 _____

15. A coefficient of –1 with one squared variable _____

16. A coefficient of $\frac{3}{4}$ with three variables _____

Give an example of each of the following types of polynomials.

17. Trinomial _____

18. Binomial _____

19. Monomial _____

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Identify each polynomial as a *monomial*, *binomial*, or *trinomial*.

20. $xy^2 + 4xy$

21. $5xy^2 + y$

22. $6rs$

23. $c^3 + 3c^2 + 5c$

24. $3PT$

25. $10 - 4mn^2 + mn$

26. $v^3w - v^2w^2 - 5vw^3$

27. $\frac{6m}{5} - \frac{1}{6}$

Find the degree of each monomial.

28. $8xy$

29. D^6F^2

30. $\frac{3w}{7}$

31. $\frac{1}{9}$

Find the degree of each polynomial.

32. $8a^4b - 7a^2b^2 - 9ab^3 + 2a$

33. $\frac{n^6}{4} - \frac{2m}{3}$

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