Name Class Date

7-1

**Practice** *Form G*



Adding Polynomials

**Find the degree of each monomial.**

|  |  |  |  |
| --- | --- | --- | --- |
| **1.** 2*b*2*c*2 | **2.** 5*x* | **3.** 7*y*5 | **4.** 19*ab* |
| **5.** 12 | **6.** *z*2 | **7.** *t* | **8.** 4*d*2*e* |

**Simplify.**

|  |  |  |
| --- | --- | --- |
| **9.** 2*ab* + 4*ab* | **10.** 5*x*2 – 4*x*2 | **11.** 3*m*2*n* – 5*m*2*n* |
| **12.** –6*ab* + 3*ab* | **13.** 4*c*2*d*2 – 7*c*2*d*2 | **14.** 315*x*2 – 30*x*2 |

**Write each polynomial in standard form. Then name each polynomial based on  
its degree and number of terms.**

|  |  |  |
| --- | --- | --- |
| **15.** 15*x* – *x*3 + 3 | **16.** 5*x +* 2*x*2 – *x +* 3*x*4 | **17.** 9*x*3 |
| **18.** 7*b*2 + 4*b* | **19.** –3*x*2 + 11 + 10*x* | **20.** 12*t*2 + 1 – 3*x +* 8 – 2*x* |

**Simplify.**

|  |  |  |
| --- | --- | --- |
| **21.** | **22.** | **23.** |

|  |  |
| --- | --- |
| **24.** (3*k*2 + 5) + (16*x*2 + 7)  **26.** (-4s2 + 2s – 3) + (-2s2 + s + 7) | **25.** (*g*2 – 4*g* + 11) + (–*g*2 + 8*g*)  27. (8p2 – 6p + 2p2) + (9p2 – 5p -11) |

**28.** A local deli kept track of the sandwiches it sold for three months. The  
polynomials below model the number of sandwiches sold, where *s*represents days the total number of days since the start of the three-day  
period.

Ham and Cheese: 28*s*2 + 33*s +* 250

Pastrami: –7.4*s*2 + 32*s* + 180

Write a polynomial that models the total number of these sandwiches that  
were sold.

**Pearson Texas Algebra I**

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