**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_Per:\_\_\_\_\_\_\_\_\_\_**

**Polynomials – Worksheet 476**

**State whether each expression is a polynomial. If yes, identify it as a *monomial*, *binomial,* *trinomial* or *polynomial*.**

**1.**  **2.**  **3.**

**Find the degree of each polynomial.**

**4.**  **5.**  **6.**

**7.**  **8.**  **9.**

**Arrange the terms of each polynomial so that the powers of *x* are in descending order.**

**10.**  **11.**  **12.**

**13.**  **14.**  **15.**

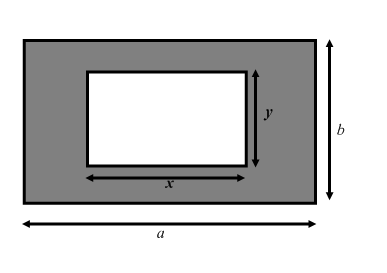
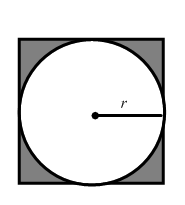
**16.**  **17.**

**18.**  **19.**

**20.** Write a polynomial to represent the value of *t* ten-dollar bills, *f* fifty-dollar bills, and *h* one-hundred-dollar bills.

**21.** The height above the ground of a ball thrown upward with a velocity of 96 feet per second from a height of 6 feet is: 6 + 96*t* – 16*t*² feet, where *t* is time in seconds. According to this model, how high is the ball after 7 seconds?

**Write a polynomial to represent the area of each shaded region.**



**23. 24.**