**35.** **GENETICS** In a guinea pig, pure black hair coloring *B* is dominant over pure white coloring *b*. Suppose two hybrid *Bb* guinea pigs, with black hair coloring, are bred.

**a.** Find an expression for the genetic make-up of the guinea pig offspring.

**34.** **GEOMETRY** Janelle wants to enlarge a square graph that she has made so that a side of the new graph will be 1 inch more than twice the original side *g*. What trinomial represents the area of the enlarged graph?

**Practice**

***Special Products***

*Glencoe Algebra 1*

Chapter 8

**28**

**b.** What is the probability that two hybrid guinea pigs with black hair coloring will

produce a guinea pig with white hair coloring?

**33.** (2*v*2 + 3*x*2)(2*v*2 + 3*x*2)

**32.** (2*b*2 – *g*)(2*b*2 + *g*)

**31.** (6*b*3 – *g*)2

**30.** (4*m*3 – 2*t*)2

**29.** (5*a*2 – 2*b*)2

**28.** (3*p*3 + 2*m*)2

**27.** (9*x* + 2*y*2)2

**26.** (8*h* + 3*d*)(8*h* – 3*d*)

**25.** (6*a* – 7*b*)(6*a* + 7*b*)

**24.** (5*q* + 6*t*)2

**23.** (6*n* + 4*p*)2

**22.** (4*b* – 7*v*)2

**21.** (*u* – 7*p*)2

**20.** (*k* – 6*y*)2

**19.** (6*h* – *m*)2

**18.** (5*r* + *p*)2

**17.** (*a* + 6*u*)2

**16.** (4*q* + 5*t*)(4*q* – 5*t*)

**15.** (3*g* + 9*h*)(3*g* – 9*h*)

**14.** (4*d* – 7)(4*d* + 7)

**13.** (7*k* + 3)(7*k* – 3)

**12.** (7*v* – 2)2

**11.** (3*m* + 4)2

**10.** (6*h* – 1)2

**9.** (5*w* – 4)2

**8.** (4*j* + 2)2

**7.** (*z* + 13)(*z* – 13)

**6.** (*b* + 6)(*b* – 6)

**5.** (*p* + 7)2

**4.** (*r* – 11)2

**3.** (*x* – 10)2

**2.** (*q* + 8)2

**1.** (*n* + 9)2

**Find each product.**

**8-4**

PERIOD

DATE

NAME



