

CHAPTER  
9

Name \_\_\_\_\_ Date \_\_\_\_\_

# Quiz 1

For use after Lessons 9.1–9.4

**Find the sum, difference, product, or quotient.**

1.  $(-3x^2 - 8x + 5) + (x^2 - 6x + 2)$
2.  $(q^3 - 7q^2 - 3q) - (q^3 + 10q^2 - 4)$
3.  $-5k^2(k^4 - 3k^3)$
4.  $(y + 2)(y^2 + y - 1)$
5.  $(4z + 9)(z - 2)$
6.  $(p - 7)(p + 1)$
7.  $(8m + 3)^2$
8.  $(5y - 6)^2$
9.  $-10y^4 \div 5y^3$
10.  $(x^2 - 8x + 15) \div (x - 5)$
11. A flower garden is 4 feet longer than its width  $w$ . Write a polynomial that represents the area of the garden.

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_