

Polynomials - Day 6  
Assignment

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

Find each product.

1.  $6(4a + 3)$

2.  $-7(11c - 4)$

3.  $-4ay(ay - ab)$

4.  $7(5 - 2c + c^2)$

5.  $3x(5x^2 - x + 4)$

6.  $2m(7m^3 + 5m^2 - m)$

Simplify.

7.  $5w(w^2 - 7w + 3) + 2w(2 + 19w)$

8.  $6g(2g - 3) - 5(2g^2 + 9g - 3)$

9.  $(7a - 2) - (12a - 3)$

10.  $(6x^2 - 2x - 12) - (-7x^2 + 2x - 12)$

Polynomials - Day 6  
Assignment

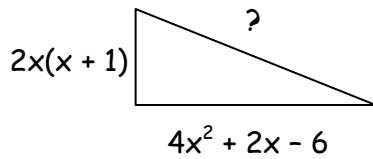
Name \_\_\_\_\_  
Date \_\_\_\_\_ Period \_\_\_\_\_

Solve.

11. Find the area of a rectangle with a length of  $(3x^3y)$  and a width of  $(2xy + x^5)$ .

12. Find the perimeter of a rectangle with a length of  $(3a^2 - 2)$  and a width of  $(5a^2 + 6)$ .

13. Find the missing side of the triangle if the perimeter is  $9x^2 - 2x - 4$ .



14. Find the missing side of the rectangle if the perimeter is  $30x^2 - 78x + 12$ .

