

Find the product.

1) $\frac{1}{2}(2y+8)$

2) $-4t(t^2+7t-5)$

3) $z^2(4z^4+z^3-11z-6)$

4) $3c^3(8c^4-c^2-3c+5)$

5) $-a^5(-9a^2+5a+13)$

6) $-5b^3(4b^5-2b^3+b-11)$

7) $(x+2)(x-3)$

8) $(x+5)(3x+2)$

9) $(4x+3)(3x+2)$

10) $(3x+2)(4x-1)$

11) $(5x-1)(x-4)$

12) $(3x-1)(4x+9)$

13) $(8x-5)(3x-6)$

14) $(3x+y)(2x-3y)$

15) $(7x+5)(11x-3)$

16) $(8x-5)(3x-6)$

17) $(3x+y)(2x-3y)$

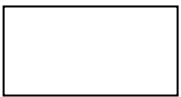

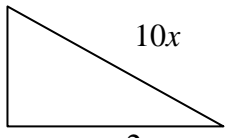
18) $(7x+5)(11x-3)$

19) $(x-2)(x^2-x+1)$

20) $(5x+2)(-3x^2+4x-1)$

21) $(9x-5)(6x^2+x-1)$

Write the equation and show all work.

Geometric Figure	Find the <u>perimeter</u>	Find the <u>area</u>
22) $x-5$  $2x+3$		
23) $3x$  $5x+9$		
24) $4x$  $10x$ $x+2$		

25) A rectangular patio has a width of $2x$ feet and a length that is 3 feet more than the width. $(2x+3)$
Write the expression that shows the area of the patio.

26) A square window pane measures $x+3$ inches. Write the expression that represents the area of the glass that will fit inside the window pane.