1. **Find the following product: 5x2y(-4x5y4)**

* 5x2y – 4x5y4
* -20x10y4
* X7 y5
* -20x7y5

1. **Short Answer. Find the following product: 6z (6z3-9z2+4)**
2. **Find the following product:  (x - 8)(x + 8)**. x2 +64  
   . x2 – 16x -64  
   . x2 + 16x -64  
   . x2 – 64
3. **Short Answer. Find the following product: (X+9)2**
4. **Essay: Show all work: Find the following: (Y-5)2**
5. **Short Answer. Find the following product(Y2 +4Y-7)(Y+3)**
6. **Short Answer. The length of the side of a rectangular desk is given by 5x - 8y cm. The length of the front is given by 5x + 8y cm.   
   What is an algebraic expression for the area of the top of the rectangular desk? Include correct units as part of your answer.**
7. **Essay:  Show all work. A gardener wants to create a rectangular garden with length of  2x - 3y ft. and width of  x + 4y ft.   
   What is an algebraic expression for the area of the garden?  
    Be sure to multiply this out, express in simplest correct mathematical form, and include units.**
8. **Short Answer. Find the following quotient**:  
   x2 – 100  
   x + 10

10 . Essay:  Show all work. Find the following quotient:

36x2 – 49Y2  
6x + 7Y