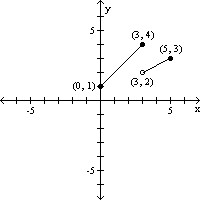
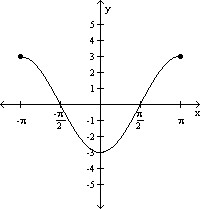
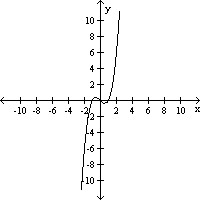
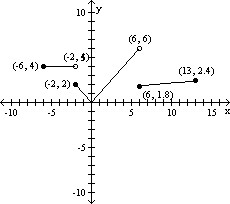
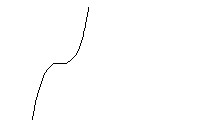
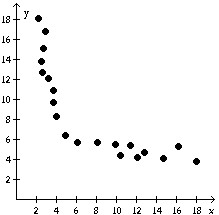
Q1. Determine algebraically whether the function is even, odd, or neither.f(x) = -5x2 + 4   a. even  
   b. odd  
   c. neither  
Q2. Find the value for the function.Find f(x + h) when f(x) = **https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q6g1.jpg**.   a. https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q6g2.jpg  
   b. https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q6g3.jpg  
   c. https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q6g4.jpg  
   d. https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q6g5.jpg  
Q3. The graph of a piecewise-defined function is given. Write a definition for the function. ****<b</b   a. https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q147g2.jpg  
   b. https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q147g3.jpg  
   c. f(x) = https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q147g4.jpg  
   d. https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q147g5.jpg  
Q4. Find the value for the function.Find -f(x) when f(x) = 2x2 - 5x + 3.   a. -2x2 + 5x + 3  
   b. 2x2 + 5x + 3  
   c. -2x2 + 5x - 3  
   d. 2x2 + 5x - 3  
Q5. Locate any intercepts of the function. **https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q115g1.jpg**   a. (0, 0), (0, 1)  
   b. (0, 0)  
   c. (0, 0), (1, 0)  
   d. none  
Q6. The graph of a function is given. Decide whether it is even, odd, or neither. ****   a. even  
   b. odd  
   c. neither  
Q7. List the intercepts of the graph.Tell whether the graph is symmetric with respect to the x-axis, y-axis, origin, or none of these. ****<b</b   a. (-1, 0), (0, 0), (1, 0); symmetric to origin, x-axis, and y-axis  
   b. (-1, 0), (0, 0), (1, 0); symmetric to origin  
   c. (-1, 0), (0, 0), (1, 0); symmetric to y-axis  
   d. (-1, 0), (0, 0), (1, 0); symmetric to x-axis  
Q8. For the given functions f and g, find the requested function and state its domain.f(x) = 2x + 1; g(x) = 5x - 2Find **https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q31g1.jpg**.   a. (https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q31g2.jpg)(x) = https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q31g3.jpg; {x|x ≠ https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q31g4.jpg}  
   b. (https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q31g5.jpg)(x) = https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q31g6.jpg; {x|x ≠ - https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q31g7.jpg}  
   c. (https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q31g8.jpg)(x) = https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q31g9.jpg; {x|x ≠ - https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q31g10.jpg}  
   d. (https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q31g11.jpg)(x) = https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q31g12.jpg; {x|x ≠ https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q31g13.jpg}  
Q9. Based on the graph, find the range of y = f(x). **https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q2g1.jpg  
  
**<b</b   a. [0, 6]  
   b. [0, 6)  
   c. [0, https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q2g3.jpg]  
   d. [0, ∞)  
Q10. The cost C of double-dipped chocolate pretzel O's varies directly with the number of pounds of pretzels purchased, P. If the cost is $5442 when 5.0 pounds are purchased, find a linear function that relates the cost C to the number of pounds of pretzels purchased P. Then find the cost C when 6.0 pounds are purchased.   a. C = 0.092P; $0.55  
   b. C = 10.884P; $65.30  
   c. C = https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q116g2.jpg; $45.35  
   d. C = 9.07P; $45.35  
Q11. Match the graph to the function listed whose graph most resembles the one given. ****   a. square function  
   b. cube function  
   c. square root function  
   d. cube root function  
Q12. Answer the question about the given function.Given the function f(x) = -3x2 - 6x - 6, is the point (-1, -3) on the graph of f?   a. Yes  
   b. No  
Q13. Determine whether the equation is a function.x + 8y = 5   a. function  
   b. not a function  
Q14. Answer the question about the given function.Given the function f(x) = x2 + 3x - 40, list the x-intercepts, if any, of the graph of f.   a. (8, 0), (-5, 0)  
   b. (8, 0), (5, 0)  
   c. (-8, 0), (5, 0)  
   d. (-8, 0), (1, 0)  
Q15. Answer the question about the given function.Given the function f(x) = -7x2 + 14x + 4, if x = 1, what is f(x)? What point is on the graph of f?   a. 11; (1, 11)  
   b. 11; (11, 1)  
   c. -17; (1, -17)  
   d. -17; (-17, 1)  
Q16. Determine if the type of relation is linear, nonlinear, or none. ****   a. None  
   b. Linear  
   c. Nonlinear  
Q17. If f(x) = 4x3 + 7x2 - x + C and f(2) = 1, what is the value of C?   a. C = 7  
   b. C = 11  
   c. C = 63  
   d. C = -57  
Q18. Given: E=I/R and P=IE with the values: P=10 and E=100 What are the values for I and R?   a. R=.001, I=0.1  
   b. R=100, I=100  
   c. R=0.1, I=1000  
   d. Cannot be solved without the value of another variable.  
Q19. Determine whether the relation represents a function. If it is a function, state the domain and range. **https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q91g1.jpghttps://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q91g2.jpg**   a. function  
      domain: {Ms. Lee, Mr. Bar}  
      range: {Bob, Ann, Dave}  
   b. function  
      domain: {Bob, Ann, Dave}  
      range: {Ms. Lee, Mr. Bar}  
   c. not a function  
Q20. Find the domain of the function.g(x) = **https://www.umtweb.edu/SRM/GP/MATH%20105/4/images/f1q99g1.jpg**   a. {x|x ≠ 0}  
   b. {x|x > 64}  
   c. {x|x ≠ -8, 8}  
   d. all real numbers