**NC Math I Fall 2016 Math 1B EOC Review**

**Unit 1-3: Exponents, Polynomials & Factoring**

Simplify each expression.

1. 2. 3. 4.

5. 6. 7.

Add or subtract.

8. ( 9.

10. 11.

Find the product.

12. 13.

14. 15. 16.

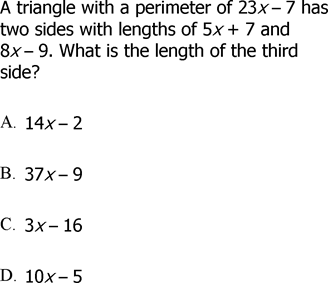
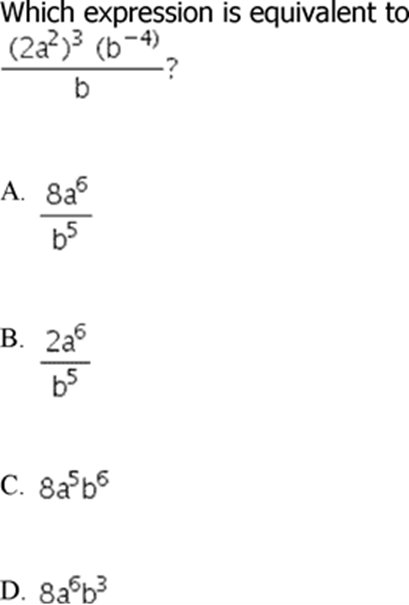
17. 18.

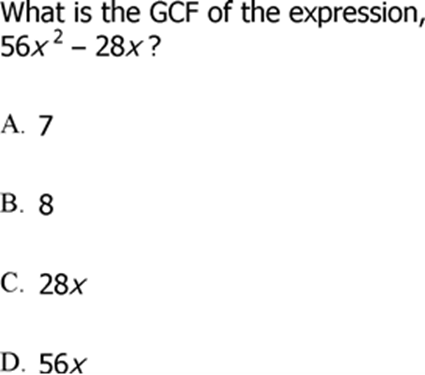
Factor Completely.

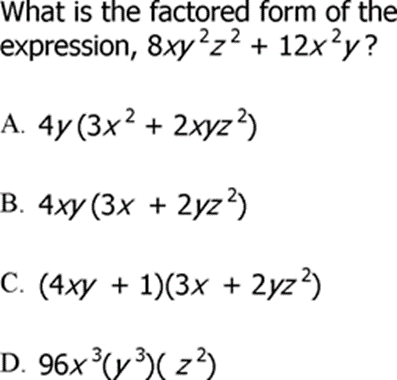
19. 20. 21.

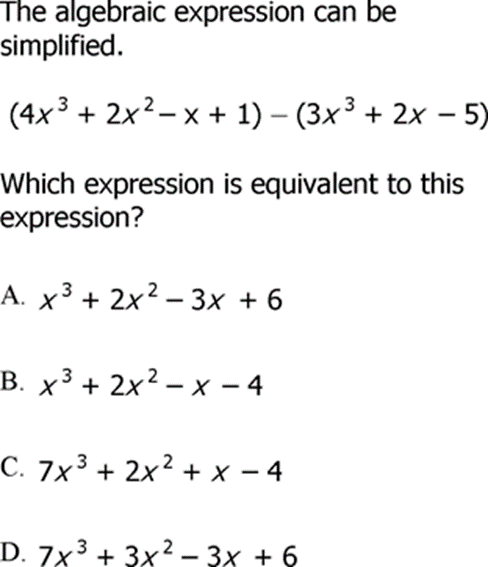
22. 23. 24.

25.

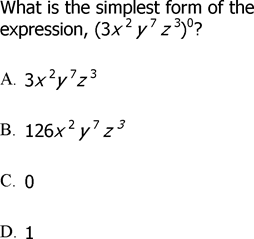
****26. 27.

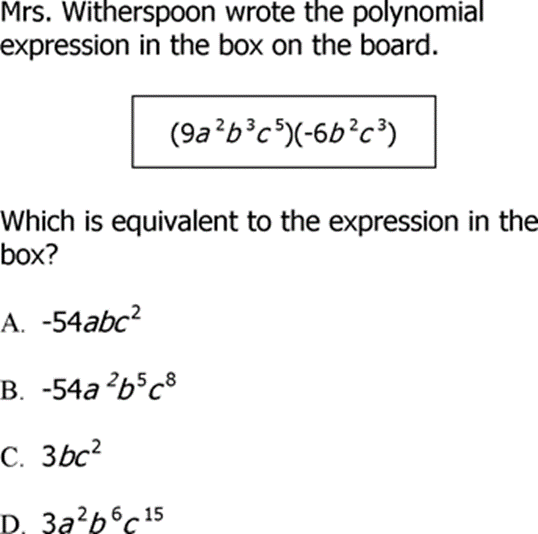
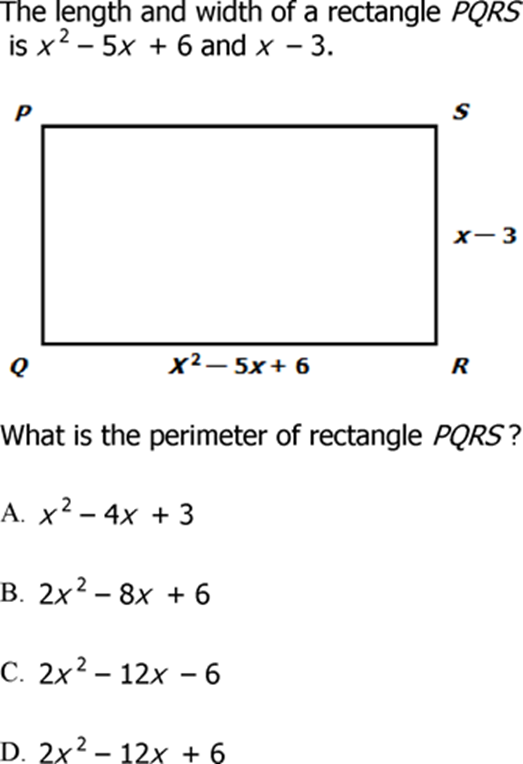
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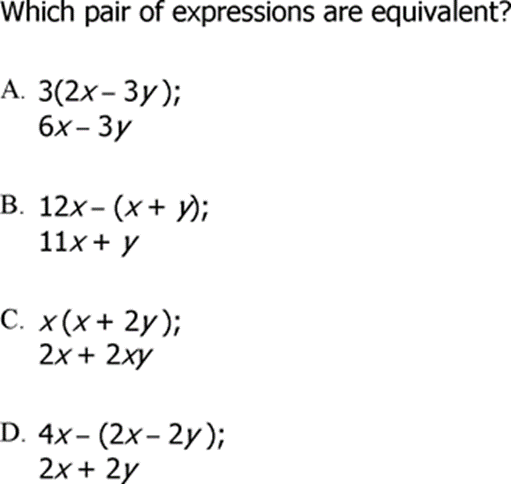
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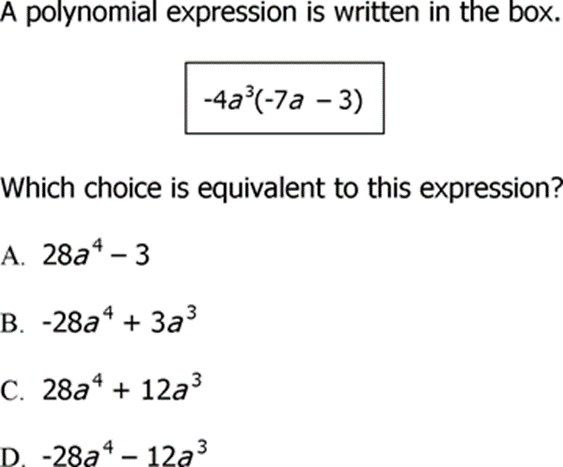


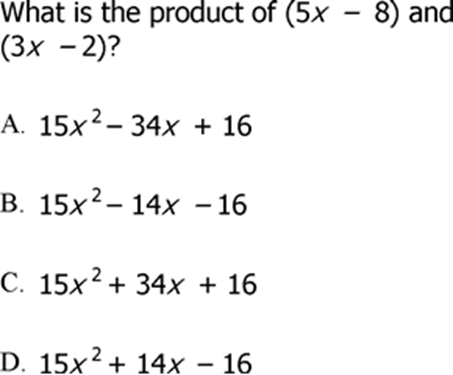
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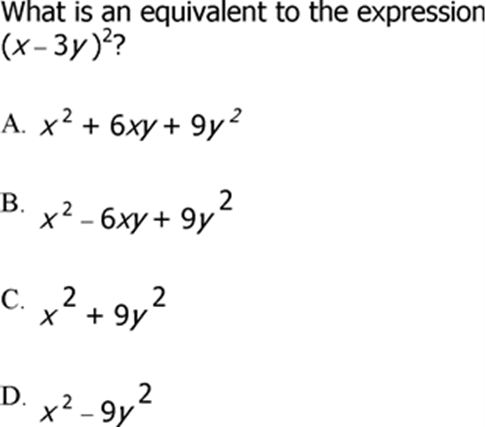
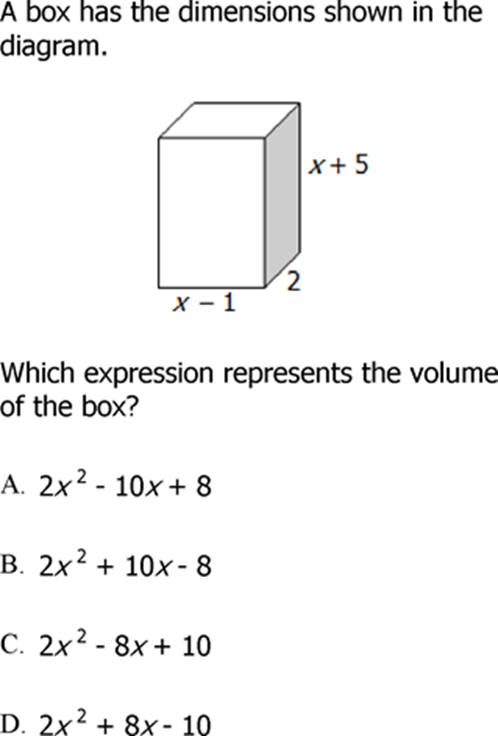
****30.

32. 33.

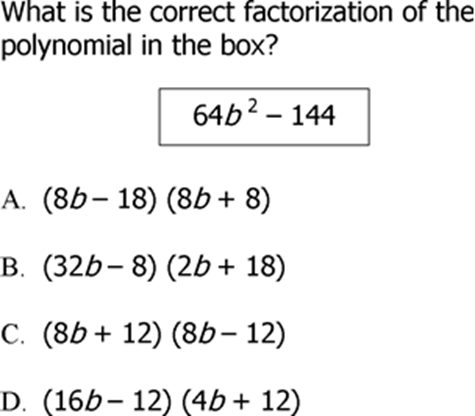
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35.

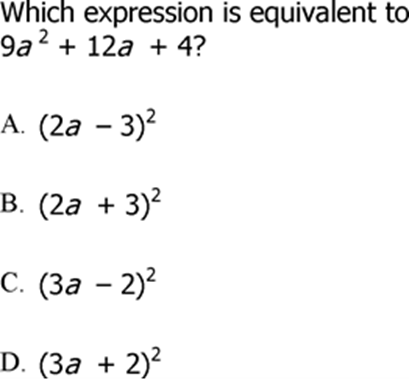
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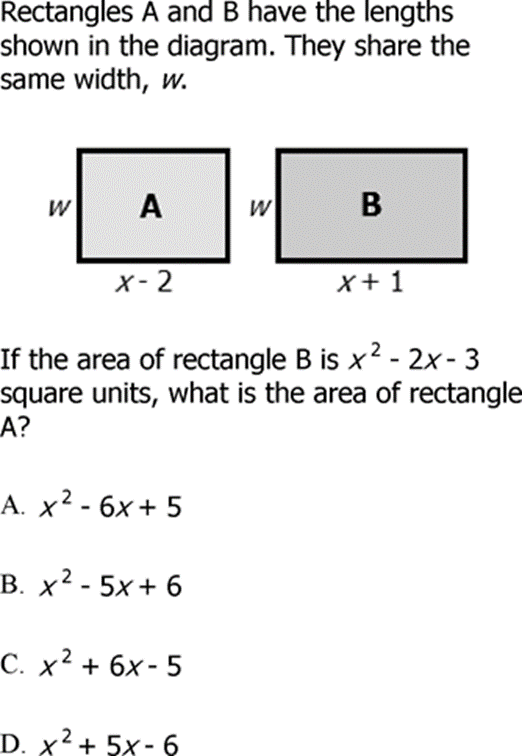
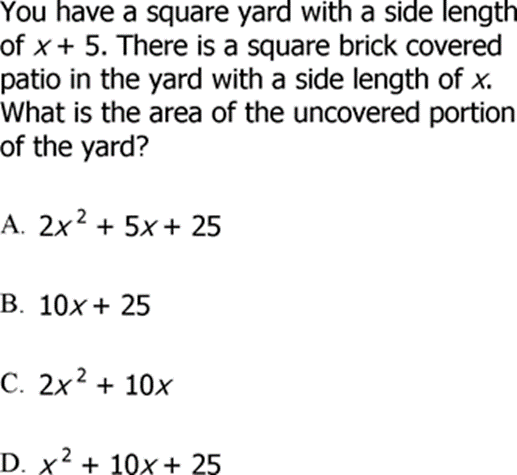
37. 38.

39.



41.

40.

42. 43.

**Unit 4- Quadratic Functions**

Steps to Solve a Quadratic Function by Factoring

a. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

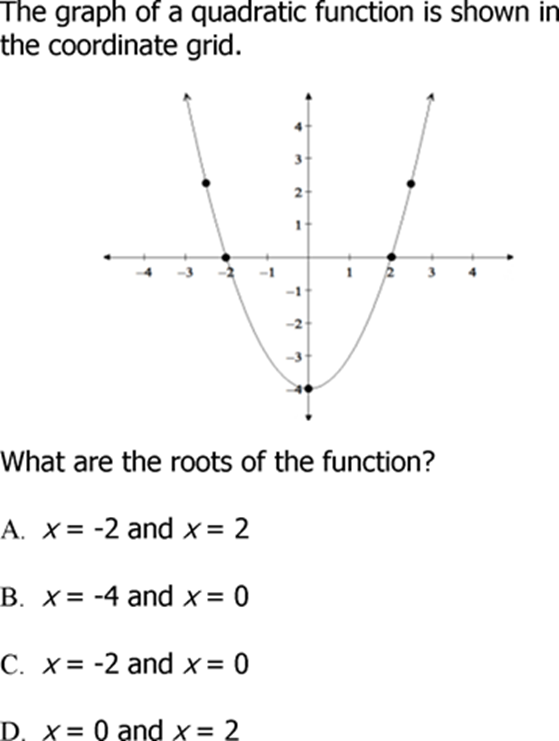
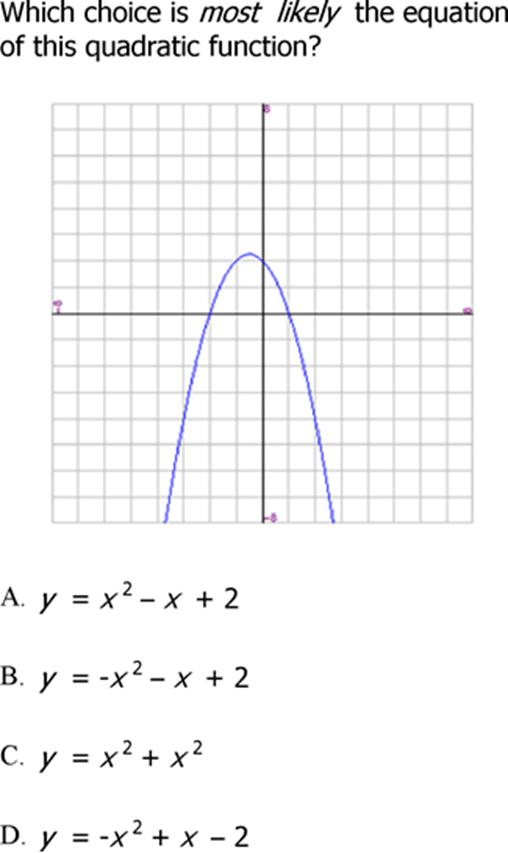
Solve each quadratic equation by factoring.

1. 2.

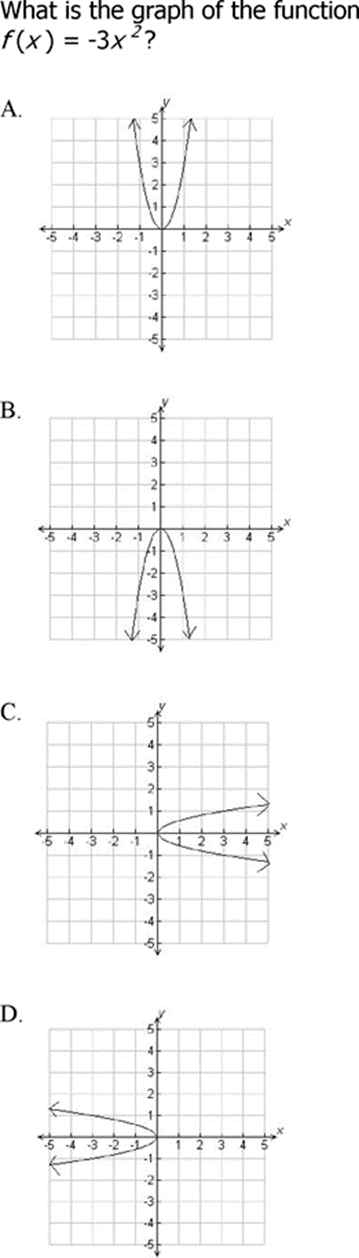
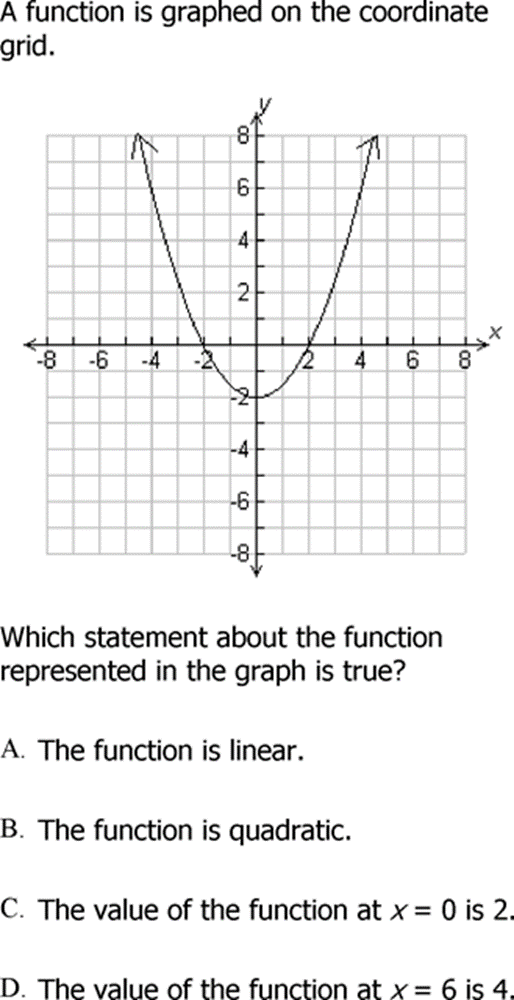
3. 4.

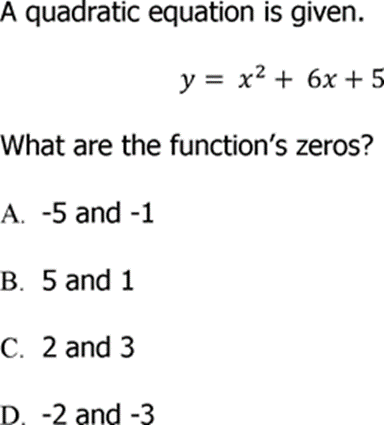
5. 6.

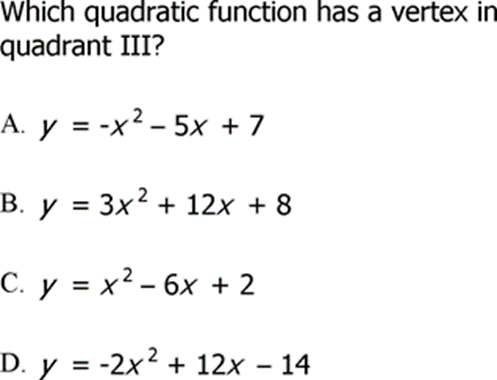
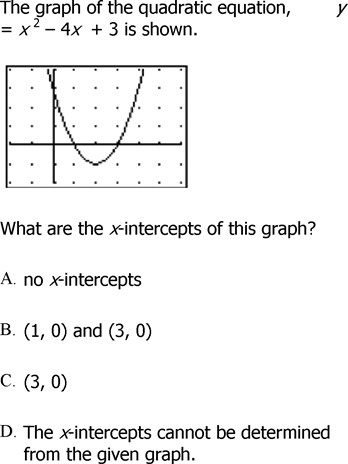
7. 8.

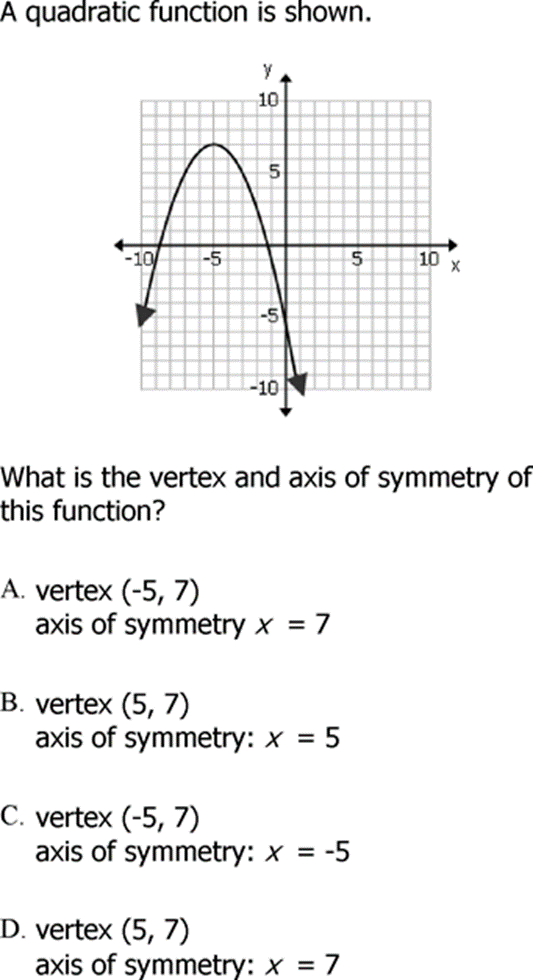


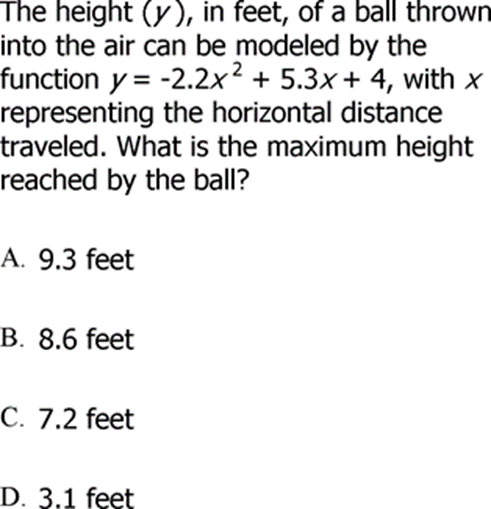
9. 10.

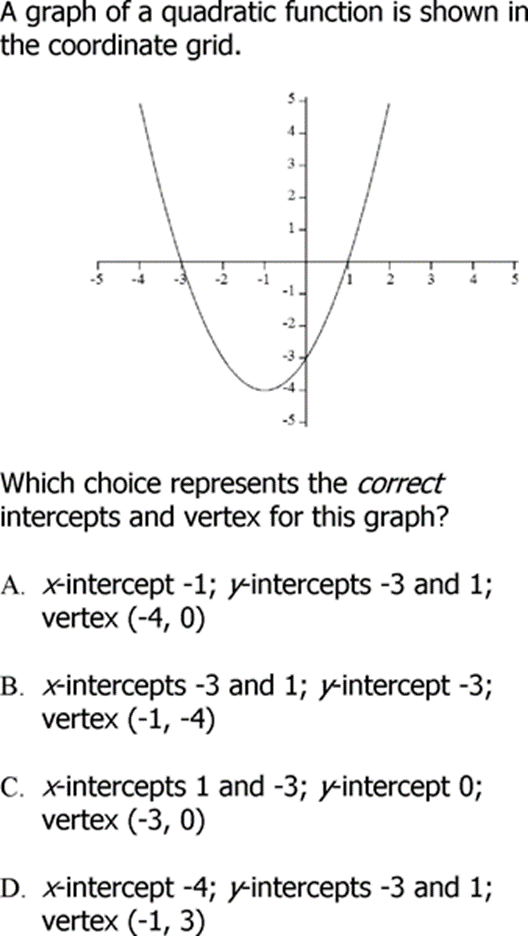
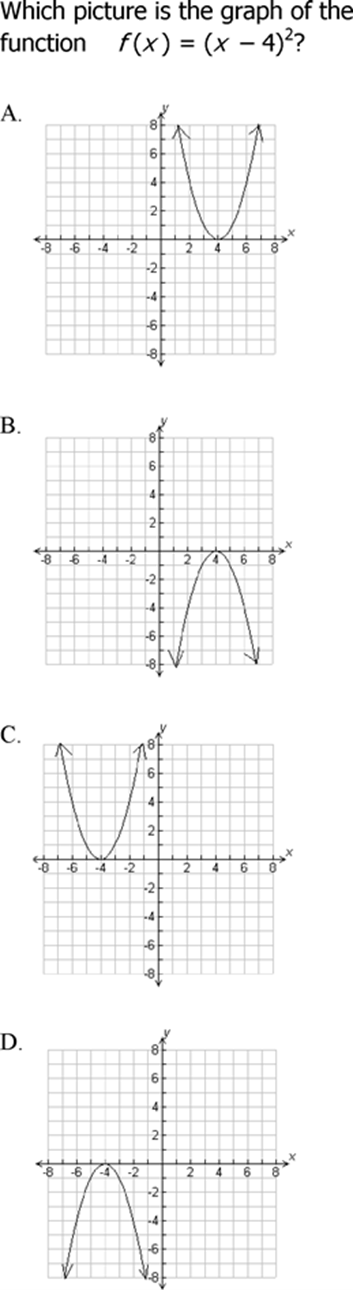
11. 12.

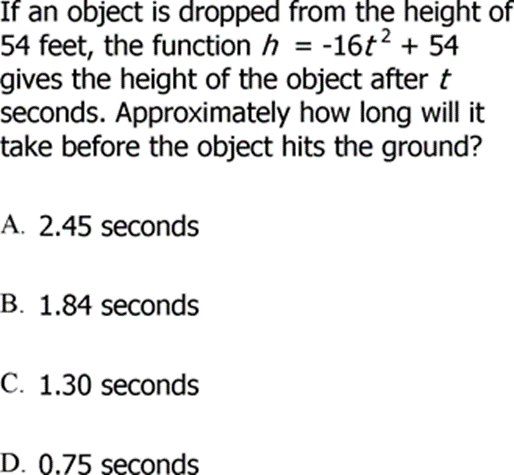
****13.

****14. 15.

16.

****17.

18. 19.

****20.

**Unit 5- Exponential Functions**

Explicit Equation for an Exponential Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Explicit Equation for Percent Growth: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

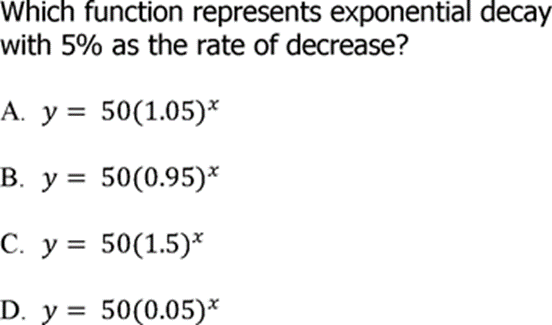
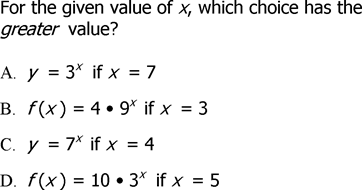
Explicit Equation for Percent Decay: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

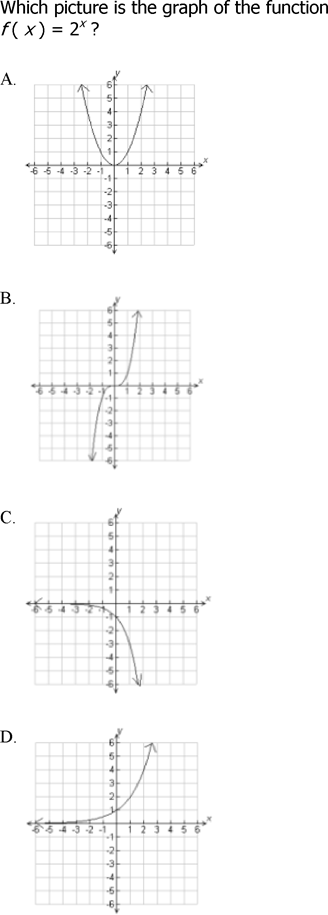
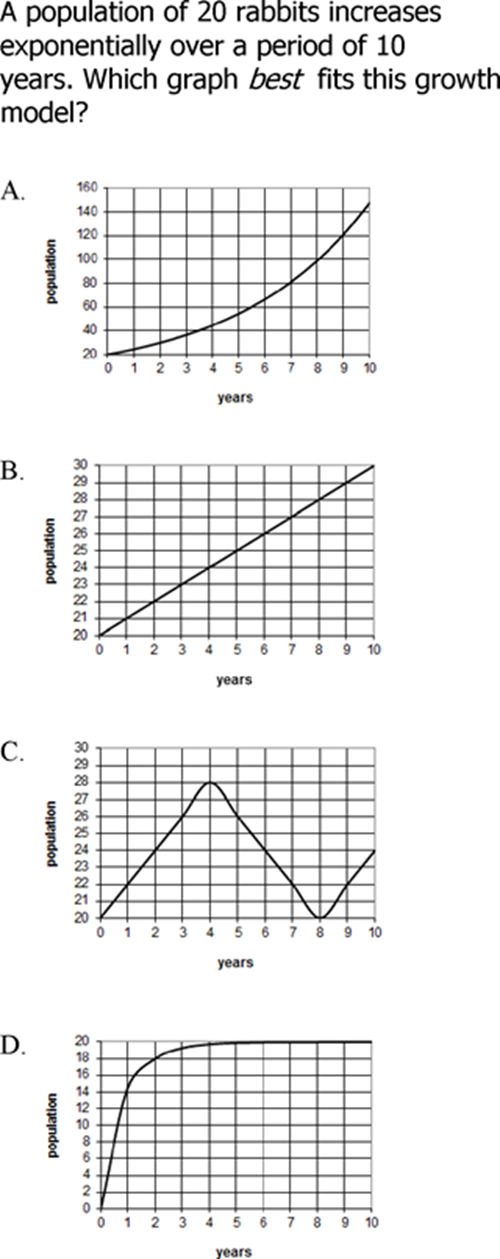
\*Remember, there could be a time interval (n), in which the exponent is a fraction: .

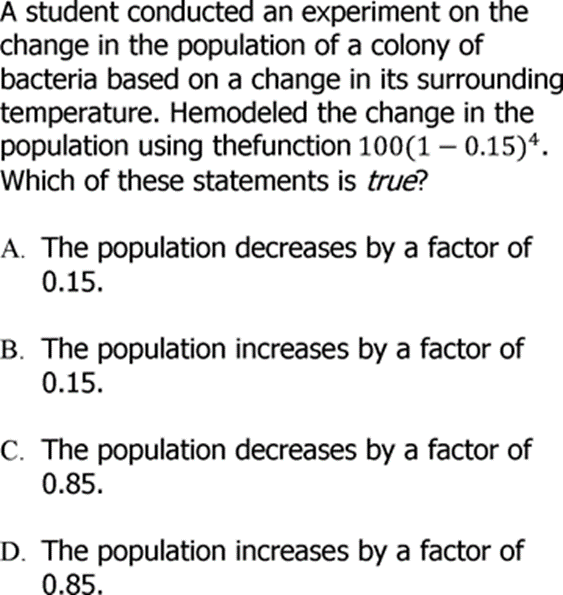
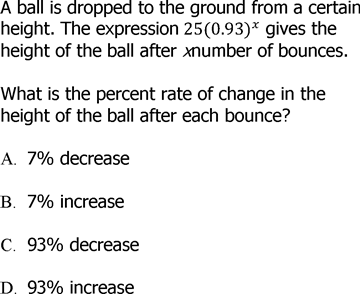
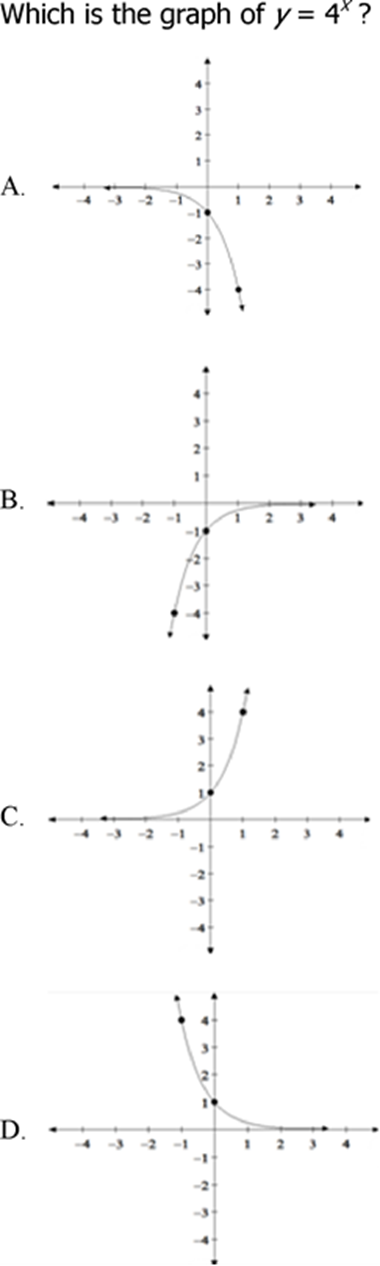
Formula for Compounded Interest: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

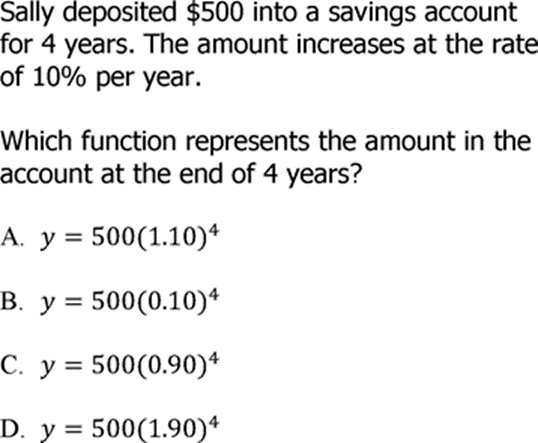
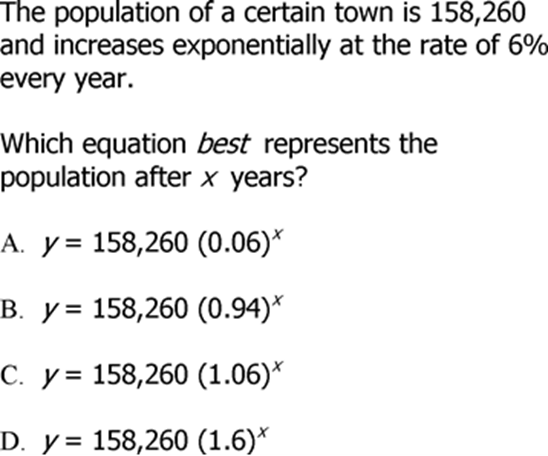
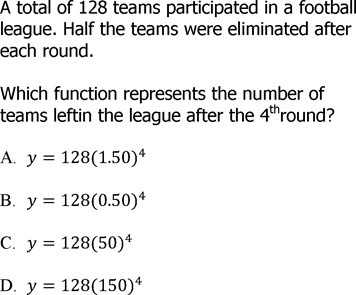
a = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ r = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

n = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

****1. 2.

****3. 4. 4.

****5. 6.   
  
  
  
  
  
  
  
  
  
  
  
  
 7.

****8. 9.   
  
  
  
  
  
  
  
  
  
  
  
  
10.