Semester Exam Questions #12-21-----CLASSWORK
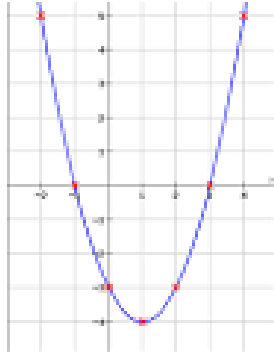
12. What is the equation of the function?

16. Find the rate of growth or decay for the function $f(x) = (0.8)^x$.

For questions 17-18, classify each number as rational or irrational.

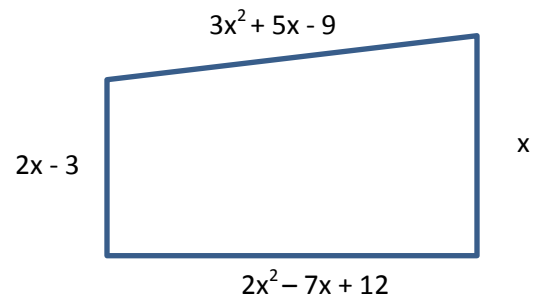17. $\sqrt{7}$

18. $\sqrt{20} \cdot \sqrt{5}$

13. Solve the equation $x^2 = 63$

19. Are rational numbers closed under multiplication?

20. graph????? SKIP

21. Use the diagram of the quadrilateral below.

14. Factor $9x^2 + 42x + 49$

Which expression represents the perimeter of the quadrilateral?

15. The area of a white board is represented by $x^2 + 2x - 15$. Find the length and width of the board.

Name _____ Date _____ Period _____

Semester Exam Questions #12-21-------HOMEWORK

12.   What is the equation of the function?

13.   Solve the equation $x^2 = 104$

14.   Factor $16x^2 + 72x + 81$

15.   The area of a white board is represented by $x^2 + x - 20$. Find the length and width of the board.

16.   Find the rate of growth or decay for the function $f(x) = (1.03)^x$.

For questions 17-18, classify each number as rational or irrational.
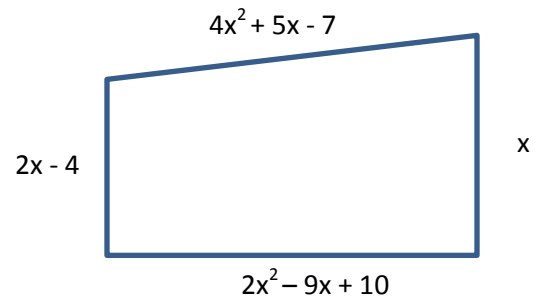
17. $\sqrt{3}$

18. $\sqrt{18} \cdot \sqrt{2}$

19.   Are rational numbers closed under addition?

20.   SKIP

21   Use the diagram of the quadrilateral below.

$4x^2 + 5x - 7$

$2x - 4$

x

$2x^2 - 9x + 10$

Which expression represents the perimeter of the quadrilateral?