Home work for Oct 27

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ per \_\_\_\_\_\_\_

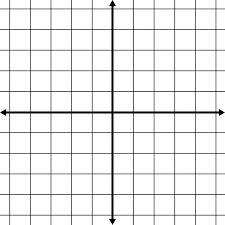
Solve the following quadratic equations using quadratic formula.

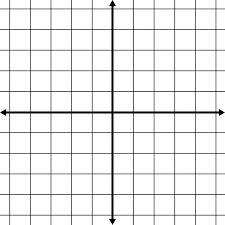
Solve using factoring

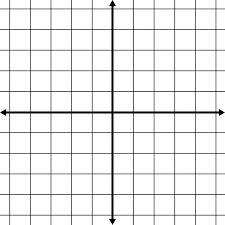
Simplify using the operations indicated

For 11 -15 answer the following

1. Find the vertex form of the equation
2. Describe the transformations
3. Graph the equation using the vertex, and x and y intercepts
4. Show work on other paper. You can graph here. Include scale

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Write the quadratic equation with the given transformations.

1. Reflected over the x-axis and 3 to the left
2. Vertical stretch of 3. 2 to the right. Down 5

Answers

3.

4. x=0 , 4

5. x = 4,-3

6.

7. 32-24i

8. 2+12i

9. 5-7i

10.

11. vertex form

(-3,-5)

Transformations

To the left 3 and down 5

X intercepts

(-0.76,0) (5.2,0)

y-intercepts

(0,4)

12. vertex form

(4,-31)

Transformations

Vertical stretch of 2. To the right 4 and down 31

X intercepts

(7.7,0) (0.06,0)

Y intercepts

(0,1)

13. vertex form

(2,16)

Transformations

Reflected over x axis

Vertical stretch of 4

To the right 2 and up 16

X intercepts

(0,0) (4,0)

Y intercepts

(0,0)

14.

15.