**Math 3 Review for Quiz Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**YOU MUST SHOW YOUR WORK TO RECEIVE CREDIT!!**

Using Completing the Square, write in **VERTEX FORM** and **SOLVE**:

Macintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-17 at 5.36.53 PM.pngMacintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-17 at 5.37.20 PM.png

1. 2.

Macintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-17 at 5.41.28 PM.pngMacintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-17 at 5.46.21 PM.png3. 4.

Macintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-17 at 5.41.33 PM.png5.

Solve using the **Quadratic Formula**:

Macintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-17 at 5.51.52 PM.png

Macintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-17 at 5.51.44 PM.png6. 7.

Macintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-17 at 5.54.47 PM.pngMacintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-17 at 5.53.05 PM.png8. 9.

Find the **VERTEX**, **AXIS OF SYMMETRY**, and **ZEROS :**

Macintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-17 at 6.15.40 PM.pngMacintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-17 at 6.08.06 PM.png

10. 11.

Macintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-17 at 6.16.05 PM.png12.

**Solve by taking the square root:**

Macintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-18 at 7.10.52 PM.pngMacintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-18 at 7.10.59 PM.png13. 14.

**Operations with Complex Numbers**

15. (6 – 4i) + (-4 + 7i) 16. (2 + 5i) – (6 – 3i)

17. (1 – 3i)(2 + 4i) 18. (-2 – 2i)(6 – 5i)

**Quadratics with Complex Numbers**

**Quadratic Formula**

**Macintosh HD:Users:houckke:Desktop:Screen Shot 2014-11-18 at 7.34.05 PM.png**

19.

**Taking the square root**

20.

**Completing the square**

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21.

22. + 22 = 0