

Write the equation of a quadratic that meets the following condition:

The graph opens downward and the vertex is at (0,4)

ex. response. $y = -5x^{2} + 4$ opens down and shifted up for units without moving left or right. This means there must be no bx term.

(0, 4)

Write the equation of a quadratic that meets the following condition:

The graph lies entirely below the x-axis

ex. response:

You can now finish Hwk #22

Use the sheet I've printed for you.

Due Thursday.

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opens down and shifted down The linear term (bx) could be anything because this answer doesn't depend on whether it

moved left or right.

What is a perfect square?

A number whose square root is a whole number.

The first nine perfect squares that we will be using a lot are:

4	9	16
25	36	49
64	81	100

Find the two factors of each number such that one of the factors is the biggest perfect square possible.



Which of the below can you find the square root without rounding the answer?

1.
$$\sqrt{121} = 11$$

2. $\sqrt{144} = 12$
3. $\sqrt{48}$ between (e^{i})