Learning Target: I can use a graphing

calculator to help solve problems. Learning Target: I can use a graphing

Bell Work:

$$h(x) = \frac{1}{(x-5)^2 + 4(x-5) + 4}$$

For what value of x is the function h above undefined?



In the xy-plane, the point (3,6) lies on the graph of the function

$$f(x) = 3x^2 - bx + 12.$$

What is the value of b?

6-27-36-12

6 = 39 - 36 -33 = -36

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Bell Work:

$$y = x^2 - 6x + 8$$

the parabola as constants or coefficients? forms of the equation displays the x-intercepts of xy-plane. Which of the following equivalent The equation above represents a parabola in the

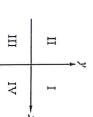
A.)
$$y - 8 = x^2 - 6x$$

$$y + 1 = (x - 3)^2$$

$$y = x(x - 6) + 8$$

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$$y = (x - 2)(x - 4)$$

$$y = (x - 2)(x - 4)$$



 $y > \frac{1}{2}x - 1$ is graphed in the xy-plane above, which If the system of inequalities $y \ge 2x + 1$ and

quadrant contains no solutions to the system?

- A) Quadrant II
- B) Quadrant III
- Quadrant IV
- There are solutions in all four quadrants

Bell Work: calculator to help solve problems.

A sociologist chose 300 students at random table below she has. The results are shown in the each student how many siblings he or from each of two schools and asked

Students' Sibling Survey

4	3	2	1	0	Siblings	Number of
10	30	09	08	120	School	Lincoln
10	10	30	110	140	School	Washington

School and 3, 300 students at Washington There are a total of 2,400 students at Lincoln

for all the students surveyed? What is the median number of siblings

- В.)
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