

YOUR NAME: _____

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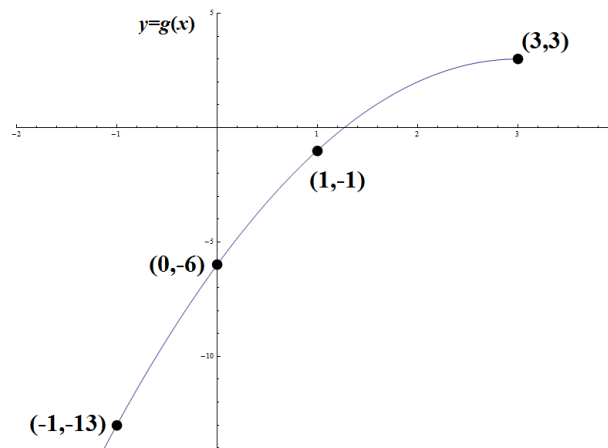
Read each problem **very carefully** before starting to solve it and do only what is asked. Each problem is worth around 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. [4 points] Solve the absolute value equation $|5x + 7| - 10 = 12$.

2. [4 points] Suppose $f(x) = \frac{2x + 1}{3 - x}$. Find a formula for $f^{-1}(x)$.

3. [4 points] The table below specifies $y = f(x)$, whereas the figure shows the graph of $y = g(x)$. Find the following values:

x	-3	-2	-1	0	1	2	3
$f(x)$	10	2	1	3	7	-3	5



$$f(3) =$$

$$g(0) =$$

$$f^{-1}(-3) =$$

$$g^{-1}(-1) =$$