| Full Student Name: | $1 / 2$ | $5 / 6$ | $7 / 8$ | Date: |  |
| :--- | :--- | :--- | :--- | :--- | :--- |


| Opening Checklist (15 points) | Initials |  |
| :--- | ---: | ---: |
| 1. I had my math notes folder and daily papers ON MY DESK by the time class began. | $/ 5$ |  |
| 2. I had been using a SHARPENED pencil by the time class began. | $/ 5$ |  |
| 3. I had FINISHED copying the objective and had STARTED defining the Word of the <br> Day by the time class began. |  |  |

Do Now (10 points) - Copy the Objective and define the Word of the Day. Initials

Obj:

Word of
the Day
\& Defn:


| Notes/Activity (20 points) | Initials |  |
| :--- | ---: | ---: |
| Completed Notes Page/Activity | $/ 10$ |  |
| Participated Productively \& Earned the Appropriate Number of Teacher Checkmarks |  |  |
| Exit Ticket (10 points) - Complete INDEPENDENTLY and SILENTLY. |  |  |
|  |  |  |

1) Graph $y=-\frac{1}{3} x^{2}$ and $y=-\frac{1}{3} x^{2}-1$ on the same graph.

| $x$ |  | $y$ | $f(x)=y$ | $(x, y)$ |
| :---: | :--- | :--- | :--- | :--- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |


| $x$ |  | $y$ | $f(x)=y$ | $(x, y)$ |
| :---: | :--- | :--- | :--- | :--- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |



How are the graphs related?
2) Describe the transformation from the graph of $y=6 x^{2}$ to the graph of $y=6 x^{2}+4$.
3) Graph $y=(x+3)^{2}$ and $y=(x-1)^{2}$ on the same graph.

| $x$ |  | $y$ | $f(x)=y$ | $(x, y)$ |
| :---: | :--- | :--- | :--- | :--- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |


| $x$ |  | $y$ | $f(x)=y$ | $(x, y)$ |
| :---: | :--- | :--- | :--- | :--- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |



How are the graphs related?
4) Describe the transformation from the graph of $y=x^{2}$ to the graph of $y=(x+5)^{2}$.

