#13 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_

Describe the transformation, then graph the following quadratics.

|  |  |  |
| --- | --- | --- |
| http://media.showmeapp.com/files/49247/pictures/thumbs/250008/last_thumb1341806160.jpg | g(x)=+2  http://media.showmeapp.com/files/49247/pictures/thumbs/250008/last_thumb1341806160.jpg | http://media.showmeapp.com/files/49247/pictures/thumbs/250008/last_thumb1341806160.jpg h(x)= |
| f(x)=  http://media.showmeapp.com/files/49247/pictures/thumbs/250008/last_thumb1341806160.jpg | http://media.showmeapp.com/files/49247/pictures/thumbs/250008/last_thumb1341806160.jpg c(x)= | http://media.showmeapp.com/files/49247/pictures/thumbs/250008/last_thumb1341806160.jpg d(x)= |
| Write the equation of the quadratic if the parent function is vertically stretched by a factor of 2 and translated 3 units to the right. | | |
| Write the equation of the quadratic if the parent function is reflected across the x-axis and translated six units down. | | |

Describe each transformation of the quadratic parent function.

|  |  |
| --- | --- |
| f(x)= | f(x)= |
| f(x)= | f(x)= |