|  |  |
| --- | --- |
| **Write the new function and determine the steepness.**      **g(x) translates**:  **Up Down Left Right**  **g(x)**:  **Steeper          Less Steep         Same Steepness** | **Write the new function and determine the steepness.**      **g(x) translates**:  **Up Down Left Right**  **g(x)**:  **Steeper          Less Steep         Same Steepness**  https://lh5.googleusercontent.com/yrl1SnjoVYyiSPMgdVFr_4ISkAMoq21Mmuq-pfi8Ehj6zPdyCmzGDFNJVVVTpUjvwsqTX1Okk0mALwxX8bnHWzhJ-Zl4ERfS0mb2bxYzqsoVWdcIdEPIismYYPZrIQJ-KNig1JP6 |
| **Write the new function and determine the steepness.**      **g(x) translates**:  **Up Down Left Right**  **g(x)**:  **Steeper          Less Steep         Same Steepness** | **Write the new function and determine the steepness.**      **g(x) translates**:  **Up Down Left Right**  **g(x)**:  **Steeper          Less Steep         Same Steepness**  reflection |

**Reflection:**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_/\_\_\_/\_\_\_\_ Period \_\_\_\_

Transformations From Other Functions

|  |  |
| --- | --- |
| **Write the new function and determine the steepness.**  **g(x) translates**:  **Up Down Left Right**  **g(x)**:  **Steeper          Less Steep         Same Steepness**  Same steepness and shifted \_\_\_\_ units | **Write the new function and determine the steepness.**      **g(x)**:  **Steeper          Less Steep         Same Steepness**  https://lh5.googleusercontent.com/AyWqwXVLT1iqeE6A2TOIsXjc1WrFSwlafMve9vbbHG0ETpVU6gBCD_LwyKpc2B5NyISRwH4YTdsnWdFWW5uO0xRrLSg5HhsA_P97Ix6u3z7OhS545H4jY0e9McGsanII_AvNnrbB |
| **Write the new function and determine the steepness.**      **g(x) translates**:  **Up Down Left Right**  **g(x)**:  **Steeper          Less Steep         Same Steepness**    Same steepness and shifted \_\_\_\_ units  **Reflection:** | **Write the new function and determine the steepness.**      **g(x) translates**:  **Up Down Left Right**  https://lh3.googleusercontent.com/buXox6L2504_Y-59x6s4ne2eQgv17pKfjgFcDroC3bLvqU_gm-DUwCZlcZdSEofYcxel71iVkTQGoPqkhbWaMPYWPJAO5ltpH2eZz5rzBeaVIi_O9N7niqKHBgTpdmHtmGNxzuGs**g(x)**:  **Steeper          Less Steep         Same Steepness**  reflection |
| **Write the new function and determine the steepness.**      **g(x)**:  **Steeper          Less Steep         Same Steepness**  reflection across the y-axis    https://lh6.googleusercontent.com/Qr6BzHVnDGD51B-NjesfYCNrVwi5XgFSvgPnEQPa3okUxlHRQ7e_1JSbyZe3L-5WL87-t2Ememf8u1UYGiacB63fa2lhzdxdhmZqIlg-gGy_6-TugCs9JqPOVARrkMDf9YjtaBqi | **Write the new function and determine the steepness.**      **g(x)**:  **Steeper          Less Steep         Same Steepness**  reflection across the x-axis  https://lh3.googleusercontent.com/cw1LWvEKVvED-Gkse27F2jO93skKDJQdkPnKKdnsj2xYrFz5xRxUgyOV7s4JiBMeCtAVIrkw13Ice1sAV-QKXFW2oA-kbLEqMSHLauAi5uEIW1FcwhNWvjNFvkeNwqkkQhwQnGLD |