**Graphing Square Root & Cube Root Functions Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |
| --- | --- |
| a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 2.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 3.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 5.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 6.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 7.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 8.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 9.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 10.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 11.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 12.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 13.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 14.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 16.  a = \_\_\_\_\_\_ h = \_\_\_\_\_\_ k = \_\_\_\_\_\_  Reflection? \_\_\_\_\_\_  Vertical stretch or shrink? \_\_\_\_\_\_\_\_\_\_\_\_  Horizontal shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vertical shift? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |