Name:

Date:

School:

Facilitator:

**7.04 Exploring Translating Radical Functions**

Using the GeoGebra Activity [**Translating Radical Functions**](http://www.geogebratube.org/student/m121122), answer each question completely. Once completed, submit this activity to the **7.04 Explore Dropbox**.

|  |  |
| --- | --- |
| 1. | What does the value of *h* control? |
|  |  |
|  |  |
| 2. | What does the value of *k* control? |
|  |  |
|  |  |
| 3. | What does the value of *a* control? |
|  |  |
|  |  |
| 4. | What happens when *a* = 0? |
|  |  |
|  |  |
| 5. | If *h* = 0 and *k* = 0, which way does the graph open when *a* > 0 (Positive)? |
|  |  |
|  |  |
| 6. | If *h* = 0 and *k* = 0, which way does the graph open when *a* < 0 (Negative)? |
|  |  |
|  |  |
| 7. | If *h* = 1 and *k* = 2, what are the coordinates of the blue point? |
|  | (,) |
|  |  |
| 8. | If *h* = -3 and *k* = -2, what are the coordinates of the blue point? |
|  | (,) |
|  |  |