## Graphing Radical Functions

The parent function looks like:


## Standard h and k format

$y=k+b \sqrt{a x-h}$

Domain:

## Range:

x-Intercept:
Y-Intercept:


$$
y=\sqrt{x+2}
$$



| $\mathbf{x}$ | $\mathbf{y}$ |
| :---: | :---: |
|  |  |
|  |  |
|  |  |
|  |  |

Domain:
x-Intercept:
Y-Intercept:
a is:
$b$ is:
$y=3+\sqrt{-4 x+1}$


| $\mathbf{x}$ | $\mathbf{y}$ |
| :---: | :---: |
|  |  |
|  |  |
|  |  |
|  |  |

Domain:
x-Intercept:
Y-Intercept:

