

## Graphs and Graphing Utilities

1. Graph:

$$y = x$$

2. Graph:

$$y = x^2$$

3. Graph:

$$y = x^3$$

4. Graph:

$$y = x^{\frac{1}{2}}$$

5. Graph:

$$y = \sqrt{x}$$

6. Graph:

$$y = \sqrt[3]{x}$$

7. Graph:

$$y = \sqrt[4]{x}$$

8. Graph:

$$y = |x|$$

9. Graph:

$$y = \frac{x+2}{x-3}$$

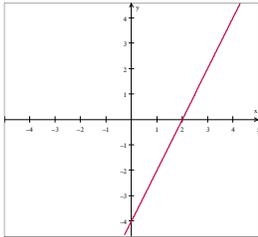
10. Graph

$$y = -\sqrt{-x-3}$$

11. Graph

$$y = x^{x^2-3x+\sqrt{x}}$$

12. Use the graph to
- determine the x-intercepts if any
  - determine the y-intercepts if any



13. Use the graph to
- determine the x-intercepts if any
  - determine the y-intercepts if any

