

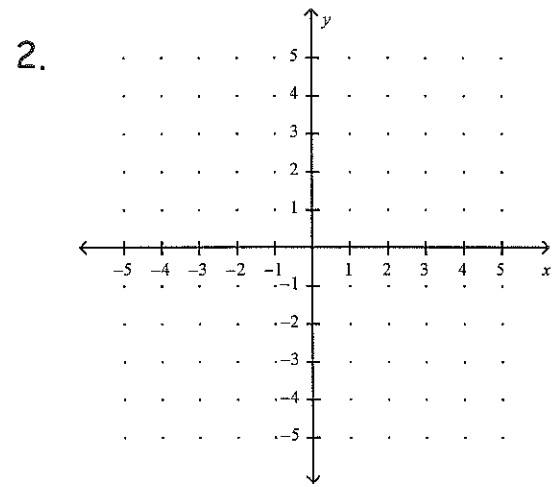
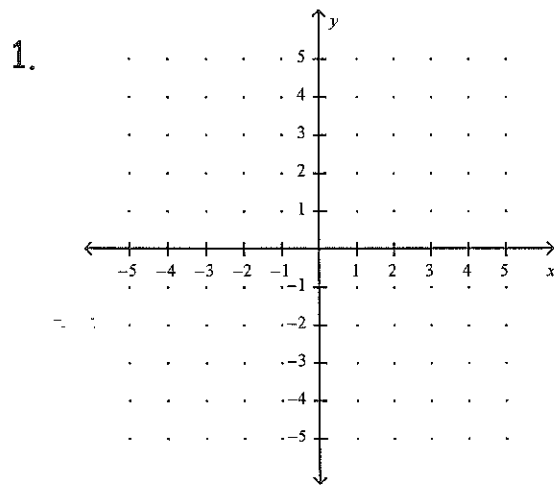
Without a calculator, sketch a rough graph and fill in all characteristics of the graph below. Write none, if not applicable.

1. $y = \sqrt{x}$ Domain:

Range:

2. $y = \sqrt[3]{x}$ Domain:

Range:



Horizontal Shift:

Horizontal Shift:

Vertical Shift:

Vertical Shift:

Flatter/Steeper/Same

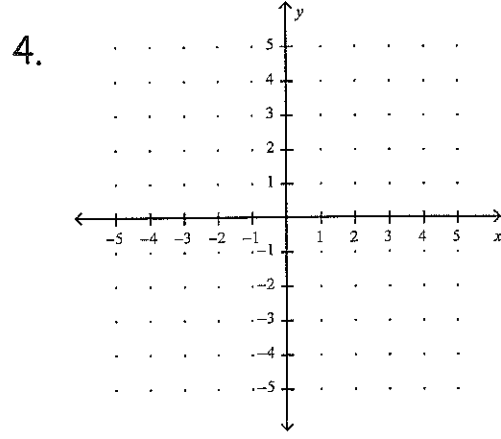
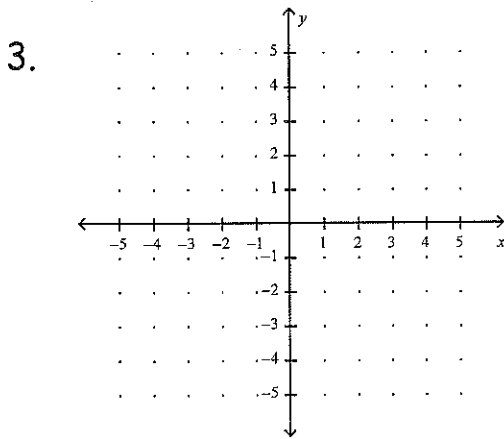
Flatter/Steeper/Same

3. $y = \frac{3}{4}\sqrt{x}$ Domain:

Range:

4. $y = \sqrt{x+1}$ Domain:

Range:



Horizontal Shift:

Horizontal Shift:

Vertical Shift:

Vertical Shift:

Flatter/Steeper/Same

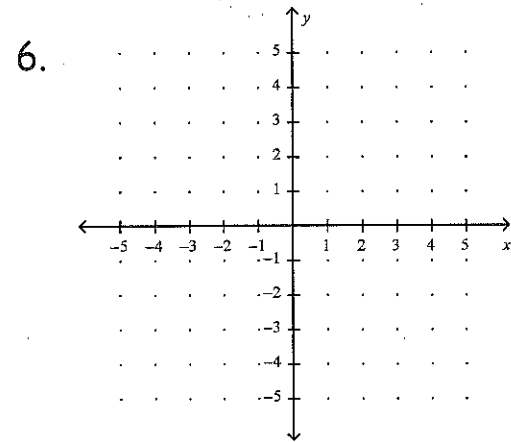
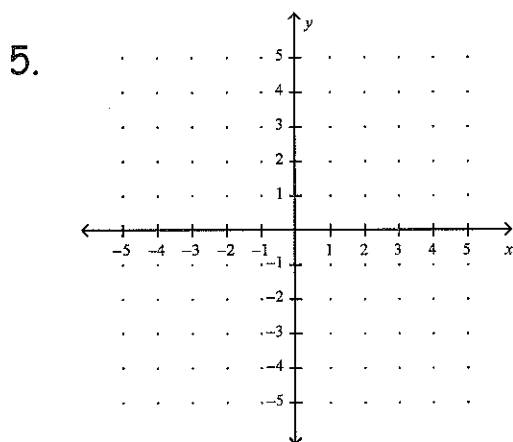
Flatter/Steeper/Same

5. $y = \sqrt{x} - 3$ Domain:

Range:

6. $y = \sqrt{x-2} + 1$ Domain:

Range:



Horizontal Shift:

Horizontal Shift:

Vertical Shift:

Vertical Shift:

Flatter/Steeper/Same

Flatter/Steeper/Same