Recall: We can re-write our function: $f(x) = \sqrt{x^3}$

• Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

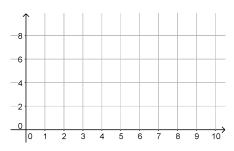
$$f(x) = \sqrt{x^3}$$

Recall: We can re-write our function: $f(x) = \sqrt{x}^3$

Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

To see the whole graph, let's start with some points.

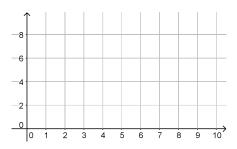


Recall We can re-write our function: $f(x) = \sqrt{x^3}$

Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

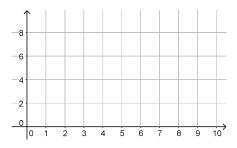
To see the whole graph, let's start with some points. Because of the square root, we can only look at $x \ge 0$



Recall: We can re-write our function: $f(x) = \sqrt{x}^3$

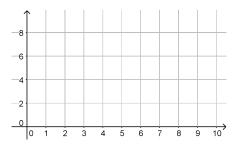
Using this, we will graph:

$$f(x) = \sqrt{x^3}$$



• Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

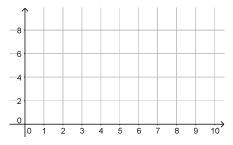
$$f(x) = \sqrt{x^3}$$



Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

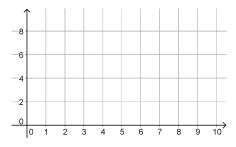
If
$$x = 4 \to f(4) = \sqrt{4}^3$$



Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

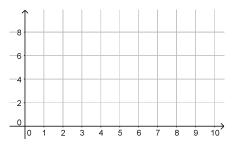
If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$



Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

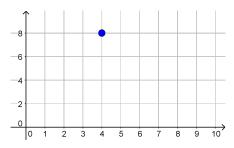
If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4, 8)$ is a point



Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

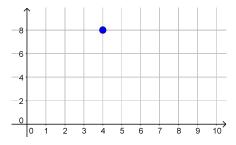
If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4, 8)$ is a point



Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

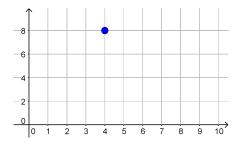
If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4, 8)$ is a point If $x = 1$



• Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

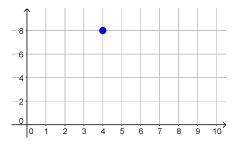
If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4, 8)$ is a point If $x = 1 \rightarrow f(1) = \sqrt{1}^3$



• Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

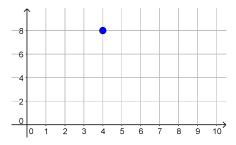
If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4, 8)$ is a point If $x = 1 \rightarrow f(1) = \sqrt{1}^3 = 1^3 = 1$



Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

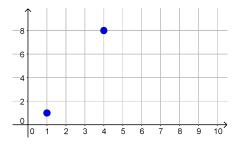
If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4, 8)$ is a point If $x = 1 \rightarrow f(1) = \sqrt{1}^3 = 1^3 = 1$, so $(1, 1)$ is a point



• Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

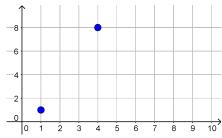
If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4, 8)$ is a point If $x = 1 \rightarrow f(1) = \sqrt{1}^3 = 1^3 = 1$, so $(1, 1)$ is a point



Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

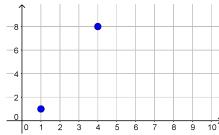
If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4, 8)$ is a point If $x = 1 \rightarrow f(1) = \sqrt{1}^3 = 1^3 = 1$, so $(1, 1)$ is a point If $x = 0$



Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x}^3$$

If
$$x = 4 \to f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4,8)$ is a point If $x = 1 \to f(1) = \sqrt{1}^3 = 1^3 = 1$, so $(1,1)$ is a point If $x = 0 \to f(0) = \sqrt{0}^3$



Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

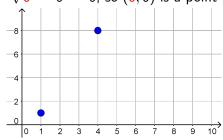
$$f(x) = \sqrt{x^3}$$

If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4, 8)$ is a point If $x = 1 \rightarrow f(1) = \sqrt{1}^3 = 1^3 = 1$, so $(1, 1)$ is a point If $x = 0 \rightarrow f(0) = \sqrt{0}^3 = 0^3 = 0$

Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

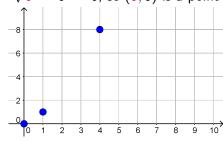
If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4, 8)$ is a point If $x = 1 \rightarrow f(1) = \sqrt{1}^3 = 1^3 = 1$, so $(1, 1)$ is a point If $x = 0 \rightarrow f(0) = \sqrt{0}^3 = 0^3 = 0$, so $(0, 0)$ is a point



Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

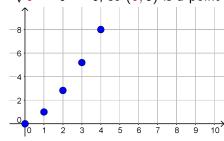
If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4, 8)$ is a point If $x = 1 \rightarrow f(1) = \sqrt{1}^3 = 1^3 = 1$, so $(1, 1)$ is a point If $x = 0 \rightarrow f(0) = \sqrt{0}^3 = 0^3 = 0$, so $(0, 0)$ is a point



Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

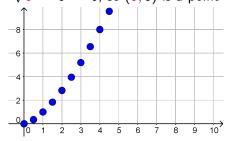
If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4,8)$ is a point If $x = 1 \rightarrow f(1) = \sqrt{1}^3 = 1^3 = 1$, so $(1,1)$ is a point If $x = 0 \rightarrow f(0) = \sqrt{0}^3 = 0^3 = 0$, so $(0,0)$ is a point



Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

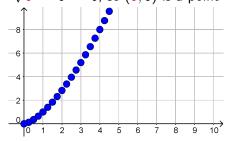
If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4, 8)$ is a point If $x = 1 \rightarrow f(1) = \sqrt{1}^3 = 1^3 = 1$, so $(1, 1)$ is a point If $x = 0 \rightarrow f(0) = \sqrt{0}^3 = 0^3 = 0$, so $(0, 0)$ is a point



Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4, 8)$ is a point If $x = 1 \rightarrow f(1) = \sqrt{1}^3 = 1^3 = 1$, so $(1, 1)$ is a point If $x = 0 \rightarrow f(0) = \sqrt{0}^3 = 0^3 = 0$, so $(0, 0)$ is a point



Recall: We can re-write our function: $f(x) = \sqrt{x^3}$ Using this, we will graph:

$$f(x) = \sqrt{x^3}$$

If
$$x = 4 \rightarrow f(4) = \sqrt{4}^3 = 2^3 = 8$$
, so $(4, 8)$ is a point If $x = 1 \rightarrow f(1) = \sqrt{1}^3 = 1^3 = 1$, so $(1, 1)$ is a point If $x = 0 \rightarrow f(0) = \sqrt{0}^3 = 0^3 = 0$, so $(0, 0)$ is a point

