

1.6

(666)

$$y = ax^2$$

$$y = bx^3$$

x	x^2	x^3
1	1	1
5	25	125
15	225	3375

$$f(x) = ax^2$$

$$.2 = .2(1) \text{ True}$$

$$5 = .2(25) \text{ False}$$

↓

* so Not a function
for $f(x)$

$$g(x) = ax^2$$

$$2 = 2(1) \text{ True}$$

$$50 = 2(25) \text{ True}$$

$$450 = 2(225) \text{ True}$$

↓

* So $g(x)$ is the
function for $y = ax^2$

$$f(x) = bx^3$$

$$2 = .2(1) \text{ True}$$

$$25 = .2(125) \text{ True}$$

$$675 = .2(3375) \text{ True}$$

* So $f(x)$ is the function
for $y = bx^3$

$g(x)$ is the function for $y = ax^2$

$f(x)$ is the function for $y = bx^3$ ✓

$$a = 2$$

$$b = .2$$

First I found the values of x^2 and x^3 using the x I was given. Then, I made "y" $f(x)$ and plugged in the values for x^2 . The first worked but the second did not, so I tried $g(x) = ax^2$, that worked. Then I tried $f(x) = bx^3$ and that worked.