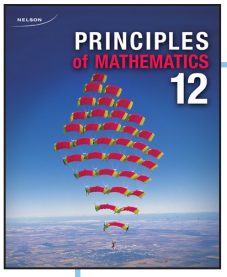
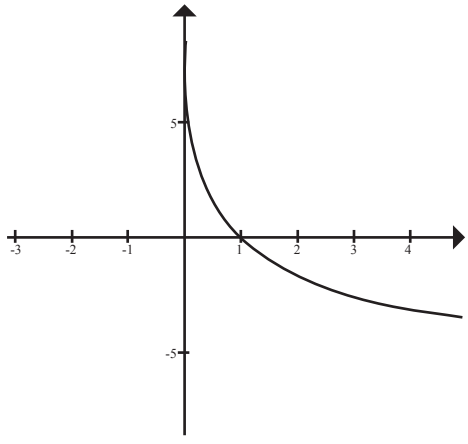
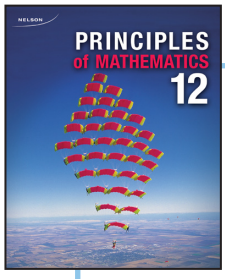


- If you have any difficulty with these solutions, please contact your teacher before continuing.

Page 415, *Your Turn*

Characteristics:
x-intercept: 1
Number of y-intercepts: 0
End behaviour: extends from Quadrant I to Quadrant IV
Domain: $\{x|x > 0, x \in R\}$
Range: $\{y|y \in R\}$

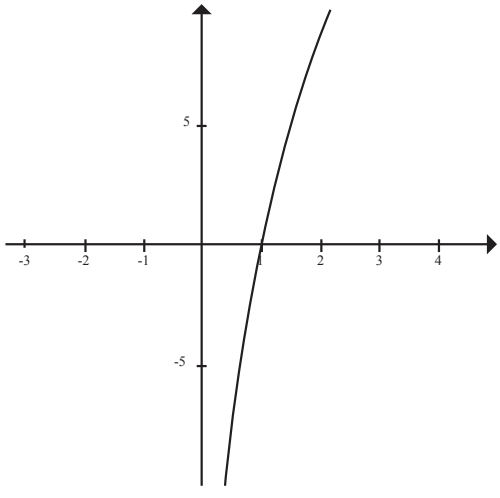




- If you have any difficulty with these solutions, please contact your teacher before continuing.

Page 416, *Your Turn*

Characteristics:
x-intercept: 1
Number of y-intercepts: 0
End behaviour: extends from Quadrant IV to Quadrant I
Domain: $\{x|x > 0, x \in R\}$
Range: $\{y|y \in R\}$



Page 418, *Your Turn*

I agree. If the domain is $\{x|x > 0, x \in R\}$, then the function has to be logarithmic. If the domain is $\{x|x \in R\}$, then the function has to be exponential.

Page 421, *Question 6*

Three reasons the graph is a logarithmic function is that there is only one x-intercept, it has no y-intercepts, and the domain is $\{x|x > 0, x \in R\}$.