

# EXTRA PRACTICE — Exercises

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## Unit X – Exponential and Logarithmic Functions

### Part A – Exponential Functions

### **Lesson 2 – Graphs of Solution Sets for $f(y) = a^y$**

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Graph the solution set for each of the following exponential functions, describing the curve and identifying key points.

1.  $x = 4^y$

2.  $5^y = x$

3.  $f(y) = \frac{1}{6}^y$

4.  $\frac{1}{5}^y = x$

# EXTRA PRACTICE — Answers

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## Unit X – Exponential and Logarithmic Functions

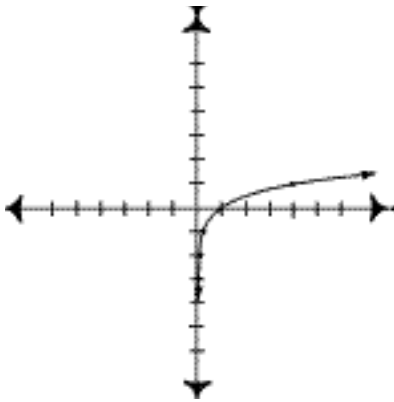
### Part A – Exponential Functions

### Lesson 2 – Graphs of Solution Sets for $f(y) = a^y$

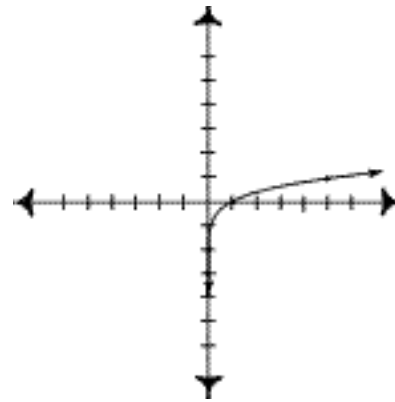
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Graph the solution set for each of the following exponential functions, describing the curve and identifying key points.

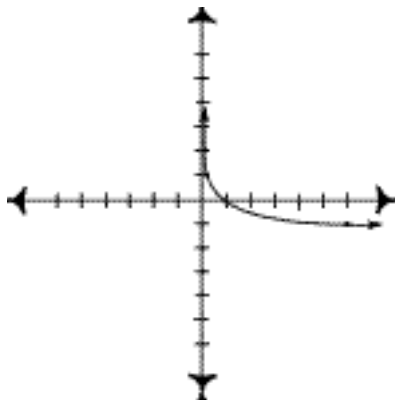
1.  $x = 4^y$



2.  $5^y = x$



3.  $f(y) = \frac{1}{6}$



4.  $\frac{1}{5}^y = x$

