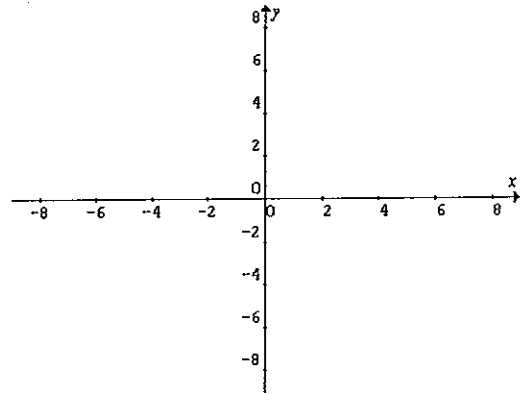
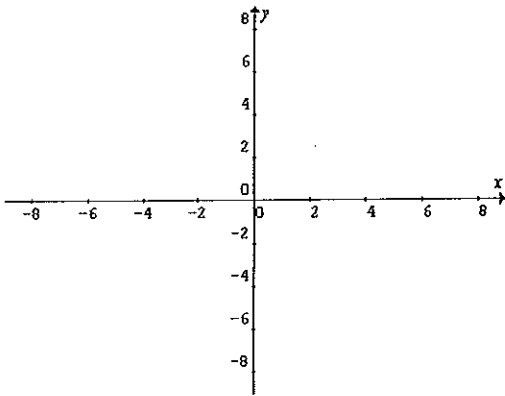


## Exercises – Sketching Standard Graphs

(A) Sketch the graphs of each of the following equations, showing all relevant information: (including  $x$  &  $y$ -intercepts and any asymptotes)

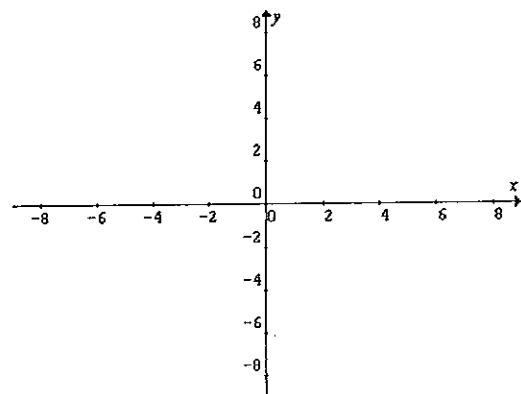
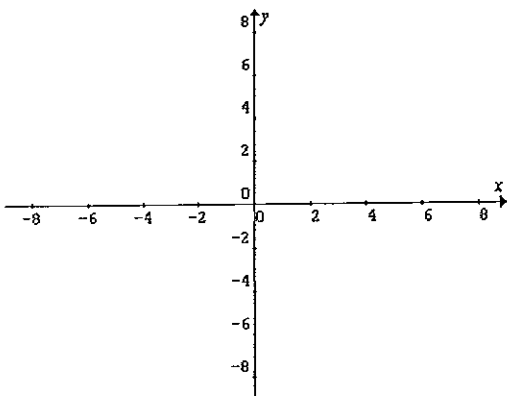
1.  $(x-3)^2 + y^2 - 4 = 0$

2.  $x^2 + y^2 - 4x + 6y + 9 = 0$

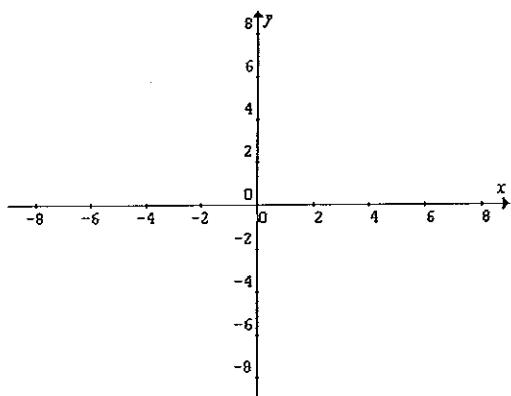


3.  $x = 4 - y^2$

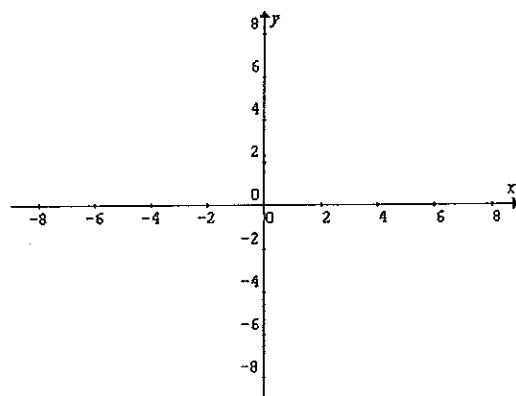
4.  $y = \frac{1}{x-2}$



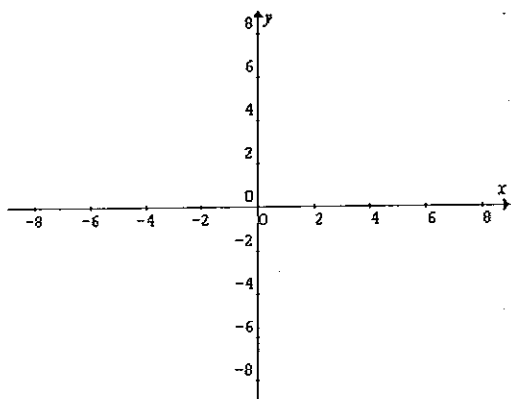
5.  $y = \frac{1}{x} - 2$



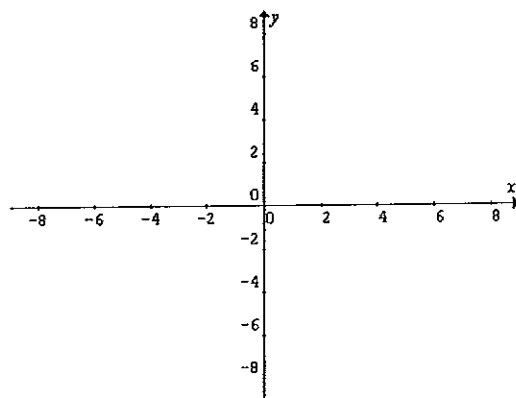
6.  $(x - 2)(y + 3) = 4$



7.  $y = -3^{-x}$

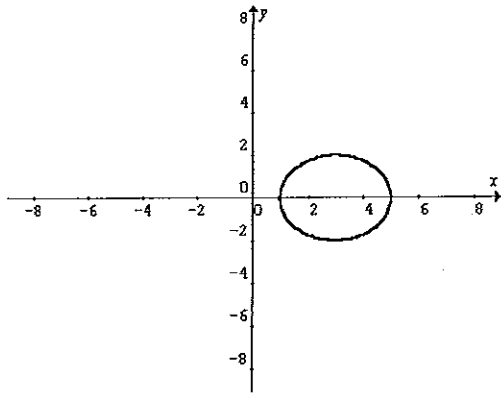


8.  $y = 3 - 2^x$

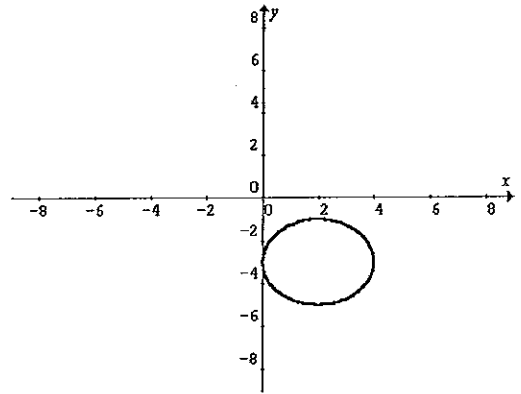


Answers: (A)

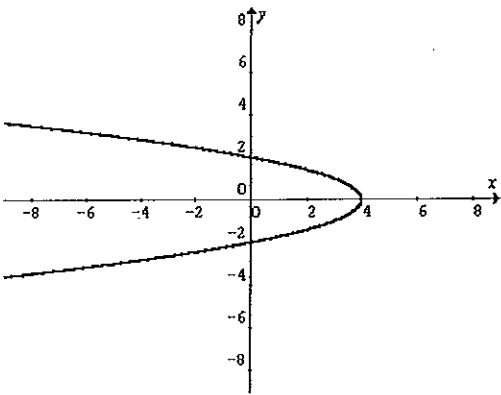
(1)



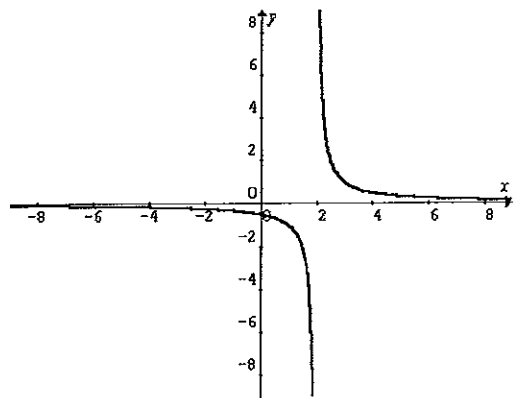
(2)



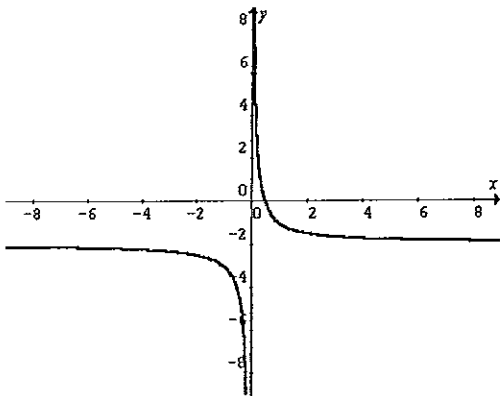
(3)



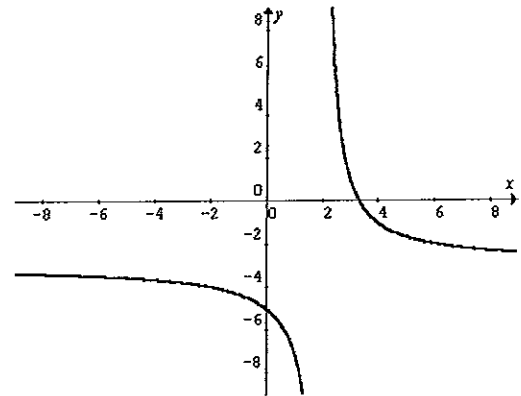
(4)



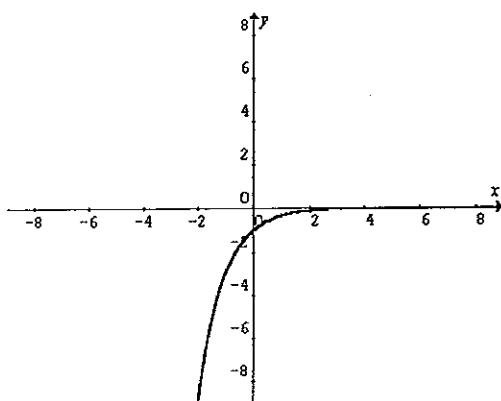
(5)



(6)



(7)



(8)

