

Math 115 Section 03 (Barsamian) Quiz 9

Ohio University, Friday, 29 October, 2004

Name (print): _____

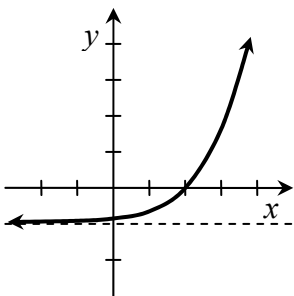
Q9: $\frac{\quad}{20}$ Attendance: $\frac{\quad}{39}$ Quizzes: $\frac{\quad}{180}$ Exams: $\frac{\quad}{200}$ Course: $\frac{\quad}{419} =$ % =

1 Sketch the graph of the function $f(x) = 2^{(x+3)} - 4$ by using transformations. You should draw three graphs: an original graph, and then two transformations. Label key points and asymptotes on each graph.

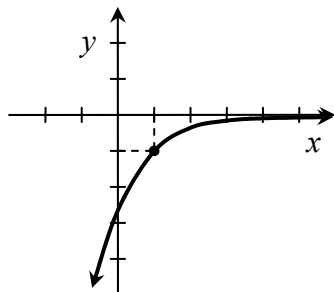


2 Sketch the graph of the function $f(x) = 3e^{\left(\frac{x}{2}\right)}$ by using transformations. You should draw three graphs: an original graph, and then two transformations. Label key points and asymptotes on each graph.

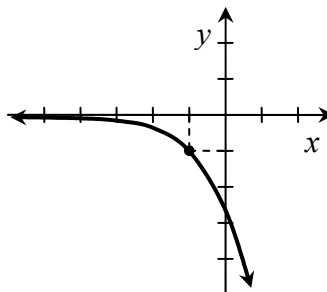
3 Match the equation with the graph.



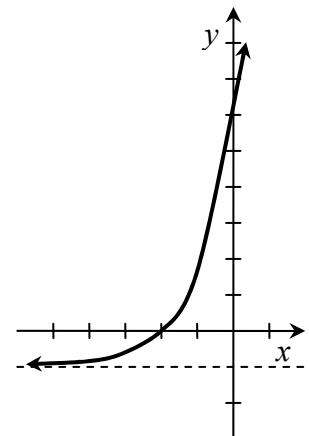
graph 1



graph 2



graph 3



graph 4

(a) The function $y = -e^{(-x+1)}$ corresponds to graph _____.

(b) The function $y = e^{(x-2)} - 1$ corresponds to graph _____.

(c) The function $y = e^{(x+2)} - 1$ corresponds to graph _____.

(d) The function $y = -e^{(x+1)}$ corresponds to graph _____.

