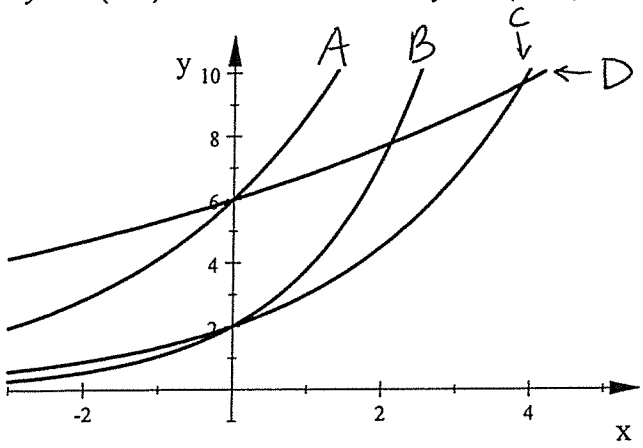
Algebra 1 Hwk #13 Sec 8-7 Spring 2016

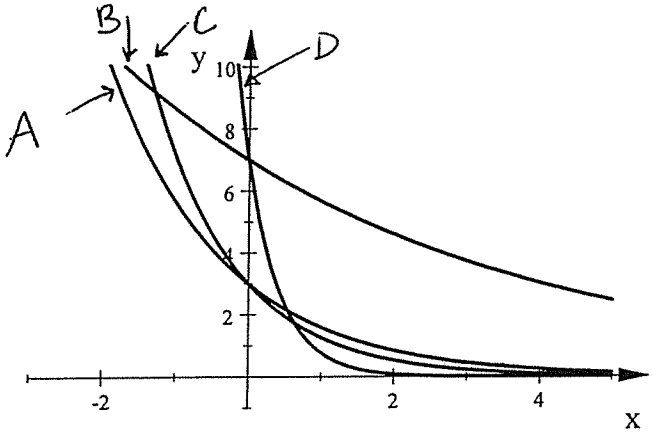
Match each graph to its equation.

1. $y = 2(1.5)^x$ 2. $y = 6(1.45)^x$ 3. $y = 2(1.9)^x$ 4. $y = 6(1.13)^x$



Match each graph to its equation.

5. $y = 3(0.42)^x$ 6 $y = 7(0.81)^x$ 7. $y = 7(0.11)^x$ 8. $y = 3(0.53)^x$



9. Give the y intercept for each graph.

a) $y = 3.5(1.26)^x$ b) $y = -6(0.0031)^x$ c) $y = 2^x$

Use the following functions for 10 and 11:

A. $y = 95(1.03997)^x$ B. $y = 11.7(1.50086)^x$ C. $y = 850(1.4289)^x$

10. Which of these functions is the steepest? Explain.

11. Which of these functions is the flattest? Explain.

Use the following equations for 12 and 13:

A. $y = 200(0.367)^x$ B. $y = 37(0.429)^x$ C. $y = 16(0.195)^x$

12. Which of these functions is the steepest? Explain.

13. Which of these functions is the flattest? Explain.