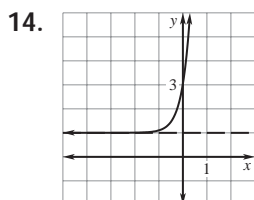


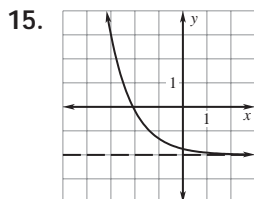
# Answer Key

## Practice C

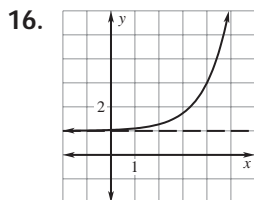
1. 5.652   2. 0.074   3. 0.493   4. 15.154  
 5.  $8e^{14}$    6.  $81e^8$    7.  $\frac{8}{e^6}$    8.  $\frac{1}{4096e^{3x}}$   
 9.  $\frac{e^{6x-2}}{4}$    10.  $2e^{4x}$    11.  $y = -1$    12.  $y = 4$   
 13.  $y = 0$



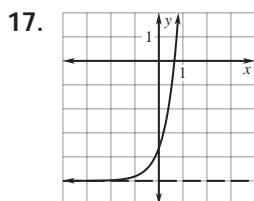
Domain:  
All real numbers;  
Range:  $y > 1$



Domain:  
All real numbers;  
Range:  $y > -2$

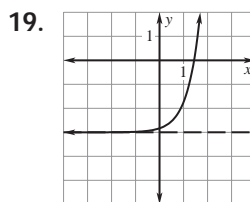
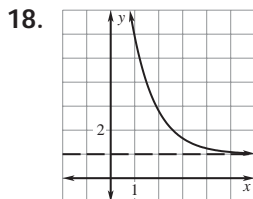


Domain:  
All real numbers;  
Range:  $y > 1$



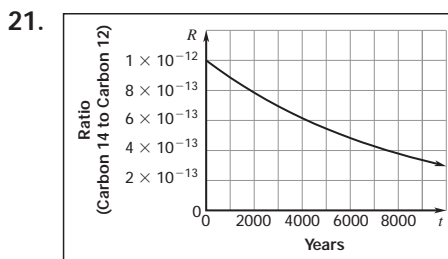
Domain:  
All real numbers;  
Range:  $y > -5$

Domain:  
All real numbers;  
Range:  $y > 1$

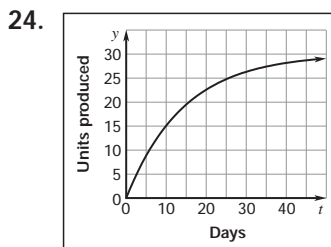


Domain:  
All real numbers;  
Range:  $y > -3$

20. exponential decay



22. 10,000 years   23. exponential growth



25. 13 units  
26. 26 days