

1.2a. Analyzing Graphs pg. 19: 6, 7a, 10-14, 16-21, 107, 108

6a. -4 b. $-\frac{2}{3}$ c. $-\frac{1}{4}$

7a. 1993 \rightarrow 36,000 tons
1999 \rightarrow 46,000 tons
2006 \rightarrow 54,000 tons

10. $D = (-\infty, \infty)$
 $R = [2, \infty)$

11. $D = [-4, 4]$
 $R = [-1, 6]$

12. $D = (-\infty, 7]$
 $R = [-1] \cup (1, \infty)$

13. $D = [-5, \infty)$
 $R = [-2, \infty)$

14. $D = (-\infty, -5) \cup (-5, 3]$
 $R = [-5, \infty)$

16. y-inter - none
x-inter - 1

17 y-intercept $\rightarrow 0$
x-intercept $\rightarrow -1, 0, \frac{3}{2}$

18. y-intercept = 0
x-intercept = 0

19. y-intercept = 3
x-intercept = none

20. y-intercept = 9
x-intercept = 3

21. y-intercept = -2
x-intercept = $-\frac{1}{2}, \frac{2}{3}$

107. B 108. J