

1.1 Functions HW pg 9: 1-7 odd, 11, 16-18, 21-22, 25-27, 33

1.  $(50, \infty)$  3.  $(-\infty, -4)$  5.  $(8, 99)$  7.  $(\infty, -19) \cup (21, \infty)$

11.  $(-\infty, -45] \cup (86, \infty)$  16. not a function

17. function 18. not a function 21. function

22. not a function 25. function 26. not a function

27. not a function 33. a. 12 b.  $\frac{375x^3}{25x^2 - 5x - 4}$

$$\frac{c. -48b^3 + 288b^2 - 576b + 384}{4b^2 - 17b + 17}$$