Math 1300
Homework 12
Section 2.6

1. 2.6.4
a. Yes, it represents a function.
b. No, it does not represent a function.

2. 2.6.6
a. Yes, it represents a function.
b. No, it does not represent a function.

3. 2.6.14
a. $(-\infty,-4)\cup(-4,\infty)$
b. $(-\infty,-4)\cup(0,\infty)$
c. $(-\infty,0)\cup(0,\infty)$
d. $(-\infty,-4)\cup(-4,0)\cup(0,\infty)$
e. None of the above

4. 2.6.18
a. $(-\infty,4)\cup(4,\infty)$
b. $(-\infty,-6)\cup(-6,\infty)$
c. $(-\infty,-4)\cup(-4,\infty)$
d. $(-\infty,6)\cup(6,\infty)$
e. None of the above

5. 2.6.22
a. $\left(-\infty,-\frac{7}{3}\right)\cup\left(-\frac{7}{3},\infty\right)$
b. $(-\infty,-7)\cup(-7,\infty)$
c. $\left(-\infty,-\frac{7}{5}\right)\cup\left(-\frac{7}{5},\infty\right)$
d. $(-\infty,7)\cup(7,\infty)$
e. None of the above

6. 2.6.26
a. $\left(-\infty,\frac{7}{2}\right)\cup\left(\frac{7}{2},\infty\right)$
b. $(-\infty,\infty)$
c. $(-\infty,7)\cup(7,\infty)$
d. $(-\infty,-7)\cup(-7,\infty)$
e. None of the above

7. 2.6.32
a. $(-7,\infty)$
b. $(-\infty,-7)$
c. $[-7,\infty)$
d. $(-\infty,-7]$
e. None of the above

8. 2.6.38
a. $(4,\infty)$
b. $(-\infty,4)$
c. $[4,\infty)$
d. $(-\infty,4]$
e. None of the above

9. 2.6.68c
a. -20
b. 15
c. 0
d. 50
e. None of the above

10. 2.6.70a
a. $\frac{5}{4}$
b. $\frac{1}{6}$
c. $\frac{1}{8}$
d. $\frac{1}{2}$
e. None of the above