**HW Answers: Operations with Functions**

1. 3x – 2
2. x + 4
3. , x ≠ 3
4. , x ≠ 0
5. , x ≠ 0
6. 8, x ≠ 0
7. , x ≠ 0
8. See below
   1. f(0)/g(0)=7/-7= -1
   2. f(1)/g(1)=8/0=undefined
   3. 5-(7)=-2
   4. 2g(-1)+f(-1)=2(-14)+6= -22
9. See below
   1. f(1)+g(1)=0.5+4 = 4.5
   2. f(1)\*g(1)=0.5(4)=2
   3. 2-4= -2
   4. 2g(3)+f(3)=0+1.5= 1.5