Math 2, Week1

1. Evaluate $\frac{5}{3}\left(\frac{1}{12}-\frac{4}{15}\right)+2$
2. Evaluate $\frac{2}{3}\left(\frac{5}{6}+\frac{2}{3}\right)-\frac{1}{3}$
3. Solve the equation.
$$\frac{2}{5}t-8=-18$$
4. Solve the equation.
$$\frac{4}{3}y+\frac{5}{2}=3$$
5. Solve the equation.
$$-3(x-6)+4(x+1)=7x-10$$
6. Solve the equation.
$$2(x+1)-3(2x+4)=5$$
7. Solve the equation.
$$\frac{2x+3}{4}=\frac{x+7}{3}$$
8. Solve the equation.
$$\frac{3(x+5)}{11}=\frac{x-7}{2}$$
9. Expand $(x-3)(2x^2+10x-1)$.
10. Expand $(3x^3-x^2-3)(x^2-5x+11)$.
11. Find x, y satisfying
$$3x-2y=6$$
$$x-5y=10$$
12. Find x, y satisfying
$$x+5y=13$$
$$2x-5y=-4$$