

# Homework 1

NO CALCULATORS ALLOWED

## Algebra II (Project GRAD)

1) If

$$\frac{7}{x} = \frac{1}{3},$$

then what is  $x$ ?

2) Compute [your answer should be a single fraction  $a/b$ , but it does *not* need to be in lowest terms]:

(a)  $\frac{1}{5} + \frac{2}{3}$

(b)  $\frac{3}{7} + 1$

(c)  $\frac{4}{5} - \frac{1}{4}$

(d)  $\frac{1}{5} \cdot \frac{2}{3}$

(e)  $2 \cdot \frac{3}{7}$

(f)  $\frac{1/5}{2/3}$

(g)  $\frac{2}{3/7}$