Classwork 1 MAT 1275 Professor Chiu 1

- This classwork consists of **2** questions.
- Show all work and justify your answers.
- Scientific calculators are allowed.
- Wishing you success.
- 1. Combine and reduce:

2) Find the same unit

(common denominator)

factor of 10: 10, 20, 30, 40

6: 6, 12, 18, 29, 30 146 246 346 646 5

(1) Observation

 $\cdot \frac{20}{9}$ and $\frac{5}{3}$ are improper

fractions (: ready to use)

- divided by 3

(the reciprocal

$$\frac{20}{\cdot}$$
 $\frac{5}{\cdot}$

$$\frac{20}{9} \div \frac{5}{3}$$
 \bigcirc Answer

$$= \frac{20}{9} \times \frac{3}{5} = \frac{60}{45}$$

observation:

 $=\frac{9}{30}-\frac{25}{30}=\frac{9-25}{30}$

 $\left|\frac{-16}{30}\right| = -\frac{8x^2}{15x^2} = -\frac{8}{15} \times \frac{2}{2}$

$$=\frac{445 \times 3}{38375}$$

$$= \frac{4}{3} \times \frac{5 \times 3}{3 \times 5} = \frac{4}{3} \times \frac{15}{15} = \frac{4}{3}$$