Math 8 Unit 2 – Hand in #1

1. Answer the following in lowest terms:

   a) $\frac{1}{6} \times \frac{2}{3}$

   b) $\frac{4}{9} \times \frac{4}{5}$

   c) $\frac{5}{6} \div \frac{3}{5}$

   d) $\frac{1}{9} \div \frac{2}{3}$

2. Answer the following in lowest terms:

   a) $4\frac{6}{8} \times \frac{3}{5}$

   b) $3\frac{1}{4} \times 1\frac{2}{4}$

3. There are 30 students in a class. Four fifths of them have brown eyes. How many students have brown eyes?

4. Jessica pours $\frac{1}{3}$ of a cup of water into a pot. She does this 5 times. How many full cups of water, in total, does she pour into the pot?

5. Marius spends $\frac{1}{3}$ of his time sleeping. While he is asleep, he dreams for $\frac{1}{4}$ of the time.
a) For what fraction of time does Marius dream?

b) How many hours of the day is Marius dreaming?

6. Leo earns $18/h as a gardener in a city park. For time worked above 36 h in a week, he earns time-and-a-half. How much does he earn for each of the following numbers of hours worked in a week?

a) 36 hours worked

b) 42 hours worked