

Answers Summary for Chapter 10 – Rational Numbers

Set A

Equivalence Sets

1.

$$\text{a. } \frac{1}{2} = \frac{2}{4} = \frac{5}{10} = \frac{10}{20} = \frac{15}{30} = \frac{50}{100}$$

$$\text{b. } \frac{3}{5} = \frac{6}{10} = \frac{12}{20} = \frac{24}{40} = \frac{36}{60} = \frac{60}{100}$$

$$\text{c. } \frac{1}{8} = \frac{2}{16} = \frac{4}{32} = \frac{5}{40} = \frac{8}{64} = \frac{10}{80}$$

$$\text{d. } \frac{5}{8} = \frac{10}{16} = \frac{20}{32} = \frac{25}{40} = \frac{40}{64} = \frac{50}{80}$$

$$\text{e. } \frac{2}{3} = \frac{8}{12} = \frac{10}{15} = \frac{16}{24} = \frac{20}{30} = \frac{40}{60}$$

Lowest Terms

2.

$$\text{a. } \frac{3}{4}$$

$$\text{b. } \frac{2}{3}$$

$$\text{c. } \frac{1}{2}$$

$$\text{d. } \frac{1}{4}$$

$$\text{e. } \frac{3}{4}$$

$$\text{f. } \frac{1}{2}$$

$$\text{g. } \frac{9}{20}$$

$$\text{h. } \frac{9}{10}$$

$$\text{i. } \frac{1}{2}$$

$$\text{j. } \frac{7}{8}$$