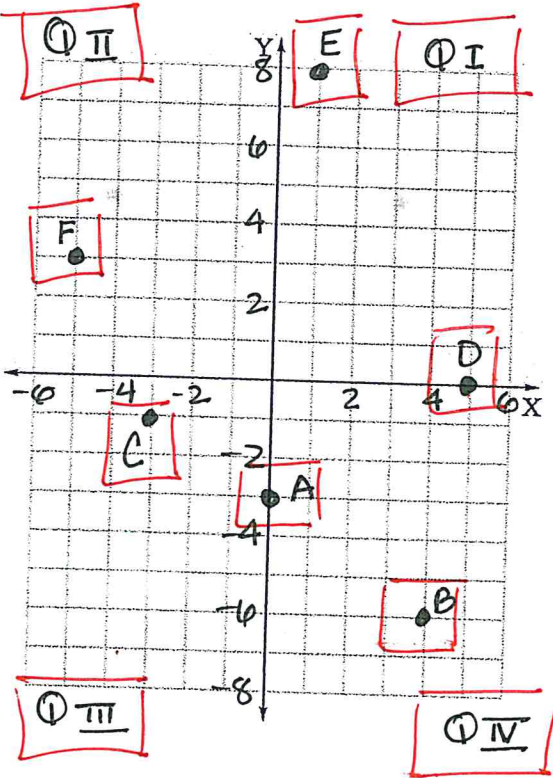


Study Session for Quiz on 1st half of Chapter 3

1. The Coordinate Plane:

a) Label the quadrants, b) scale the axes, and c) plot the following points:

A (0, -3) B (4, -6) C (-3, -1) D (5, 0) E (1, 8) F (-5, 3)



2. Fraction Addition and Subtraction

a) $\frac{1}{3} + 2\frac{3}{5} + 9\frac{1}{6} + 3\frac{1}{2} =$

$$\begin{array}{r}
 \frac{1}{3} \cdot \frac{10}{10} = \frac{10}{30} \\
 2 \frac{3}{5} \cdot \frac{6}{6} = \frac{18}{30} \\
 9 \frac{1}{6} \cdot \frac{5}{5} = \frac{5}{30} \\
 3 \frac{1}{2} \cdot \frac{15}{15} = \frac{15}{30} \\
 \hline
 14 \frac{48}{30} = 15 \frac{3}{5} \\
 + \frac{18}{30}
 \end{array}$$

b) $12\frac{4}{9} - 4\frac{5}{6} =$

$$\begin{array}{r}
 12 \frac{4}{9} \cdot \frac{2}{2} = \frac{8}{18} \quad 26 \\
 \hline
 4 \frac{5}{6} \cdot \frac{3}{3} = \frac{15}{18} \\
 \hline
 7 \frac{11}{18}
 \end{array}$$

4. Long Division Problems

a) $\frac{400}{11}$

$$\begin{array}{r}
 36.\overline{36} \\
 11 \overline{) 400.} \\
 \underline{33} \\
 70 \\
 \underline{66} \\
 40
 \end{array}$$

b) $\frac{.04}{80}$

$$\begin{array}{r}
 .0005 \\
 80 \overline{) .0400} \\
 \underline{400}
 \end{array}$$

5. Fraction/Decimal/Percent Equivalencies

Fraction	Decimal	Percent
$\frac{7}{5} = 1\frac{2}{5}$	1.4	140%
$\frac{15}{1000} = \frac{3}{200}$	.015	1.5%
$\frac{5}{9}$	$0.\overline{5}$	$55.\overline{5}\%$
$\frac{3}{8}$	.375	37.5%
$\frac{9}{20} \cdot \frac{5}{5} = \frac{45}{100}$	.45	45%
$\frac{111}{1000}$	0.111	11.1%
$\frac{2}{1000} = \frac{1}{500}$	.002	0.2%
$\frac{7}{8}$	.875	87.5%