

MAE 3811 Prerequisite Exam Answers

Part I

1. 77.404
2. 7.27
3. 52.754
4. 20.859
5. 0.36
6. $1.\bar{6}$
7. 10^3
8. 5^{10}
9. 4^3
10. 8.40
11. 77,000
12. Ten Millions
13. Thousandths
14. $<$

Part II

1. $\frac{3}{7}, \frac{4}{9}, \frac{5}{8}$
2. $-\frac{5}{2}, -\frac{1}{3}, \frac{1}{5}$
3. $\frac{43}{12} = 3\frac{7}{12}$
4. $6\frac{5}{12}$
5. $6\frac{5}{6}$
6. $\frac{68}{21} = 3\frac{5}{21}$
7. $\frac{17}{10} = 1\frac{7}{10}$
8. $16\frac{11}{28} = \frac{459}{28}$
9. $\frac{1}{6}$
10. $\frac{12}{25}$

Part III

1. 20
2. 13
3. 45 mph
4. 1446
5. 305,280
6. 809
7. 5260
8. 88,788
9. 132
10. -29
11. -25
12. -15
13. 25
14. -11
15. -1
16. -144
17. 7302