## MTH 132.12 Suggested Practice Exercises

| notes | section | exercises |
| :---: | :---: | :---: |
| $\S 2.1$ is introductory | 2.1 | 1, 2, 4, 5, 8, 12, 15, 21 |
|  | 2.2 | $1,2,3,4,5,6,7,11,12,15,21,22,23,25,28,33$, $35,36,51,53,57,59,60,63,64,65$ |
| You are asked to prove, not merely calculate, the limits. | 2.3 | $15,16,17,18,19,26,37,39,49$ |
|  | 2.4 | $\begin{aligned} & 1,3,5,9,11,15,17,18,21,23,25,26,29,33,34 \text {, } \\ & 35,36,39 \end{aligned}$ |
|  | 2.5 | $\begin{aligned} & 1,3,4,5,6,8,13,15,16,20,23,24,25,26,27,31 \text {, } \\ & 32,37,38,51,52,54 \end{aligned}$ |
|  | 2.6 | $1,3,5,8,9,11,12,13,15,17,19,20,27,28,29,31$, $32,37,39,40,42,43,47,48,49,50,63,67,71,72$, 80, 101, 102 |
| You may want to reread §2.1. | 3.1 | 5, 11, 13, 17, 21, 23, 27, 33, 35 |
|  | 3.2 | $\begin{aligned} & 1,2,3,4,7,9,10,13,15,16,17,19,21,22,23 \\ & 27-32,34 \end{aligned}$ |
|  | 3.3 | $\begin{aligned} & 5,7,9,17,19,20,21,22,25,27,28,29,35,37,38 \\ & 41,48,49 \end{aligned}$ |
|  | 3.4 | $3,5,6,7,9,11,12,13,15,16,17,18,19$ |
|  | 3.5 | $\begin{aligned} & 1,6,9,11,13,14,15,16,19,21,22,23,25,26,33 \\ & 35,37,59 \end{aligned}$ |
|  | 3.6 | $\begin{aligned} & 19,21,23,25,26,28,29,31,32,35,37,38,39,43 \text {, } \\ & 49,50,51,52,54,59,62,67,73 \end{aligned}$ |
|  | 3.7 | $1,3,5,6,21,24,27,29,35$ |
|  | 3.8 | $1,13,14,17,21,23,24,27,29,33,34,38$ |
|  | 3.9 | $2,3,4,7,8,37,39,43$ |
|  | 4.1 | $\begin{aligned} & 1-4,7,9,11,13,21,23,27,30,31,32,35,36,37,38 \text {, } \\ & 40 \end{aligned}$ |
|  | 4.2 | $\begin{aligned} & 1-8,17,18,19,20,23,27,31,32,33,35,37,38,40 \text {, } \\ & 49,55,59,60,64,72 \end{aligned}$ |
|  | 4.3 | 1-14, 17, 29-31, 41, 45, 64, 65 |
|  | 4.4 | 1-8, 13-23, 49, 57, 71-74, 89, 90 |
|  | 4.5 | 1-10, 12, 22, 23, 39, 63, 67 |
|  | 4.6 | 1-6, 19 |
|  | 4.7 | 1-5, 11-13, 31-37, 55-57, 67, 68, 74 |
|  | 5.1 | 1-4, 9-11, 15, 16, 19 |
|  | 5.2 | $1-16,17,18,31,32,39,40$ |
|  | 5.3 | 1-8, 9-11, 15-22, 38-40, 55-58, 71, 82 |
|  | 5.4 | $\begin{aligned} & 1,4,5,7,9,12,13,19,20,23,27,28,29,31,32,33, \\ & 35,37,41,45 \end{aligned}$ |
|  | 5.5 | $11,14,18,19,20,22,24,25,28,29,31,55,58,63$ |
|  | 5.6 | $\begin{aligned} & 1,3,7,10,12,13,18,19,20,23,24,32,35,36,38 \\ & 39,43,47,53,58,71,81 \end{aligned}$ |

