

# Math 2200 Homework Assignments

(subject to modification)

**Instructor: Dr. Shuzhou Wang**

**Textbook:** *Calculus with Analytic Geometry*, 6th Edition, “Early Transcendentals Version”, by C.H. Edwards and D.E. Penney

2.1: 1, 5, 7, 6, 8, 9, 11, 18, 19, 21, 30, 31, 32, bonus (33, 34, 35)

2.2: 1, 3, 5, 7, 9, 13, 19, 21, 25, 27, 31, 35, 36, 37, 39, 41, 43, 44, 45

2.3: 1, 3, 5, 6, 7, 8, 9, 10, 12, 13, 14, bonus (25, 26), 41, 43, 46, 47, 53, 54, 59

2.4: 1, 4, 5, 19, 20, 21, 37, 39, 43, 45, 47, 49, 51, 52

First hour exam

3.1: 3, 5, 7, 15, 16, 17, 18, 19, 23, 27, 30, 31, 32, 33, 34, 35, 37, 39, 51, bonus (55, 56)

3.2: 3, 5, 7, 8, 9, 11, 15, 17, 18, 19, 44, 45, 47, 52, 53, 54, bonus (55, 56, 58)

3.3: 1, 3, 5, 7, 9, 11, 17, 19, 27, 29, 33, 49, 51, 53, 54, 55, 56, 59, 63

3.4: 1, 3, 7, 9, 23, 39, 41, 43, 45, 47, 49, 55, 59

3.5: 1, 3, 7, 11, 17, 19, 21, 23, 25, 26, 27, 35, 37

3.6: 3, 7, 8, 11, 13, 16, 17, 19, 20, 25, 31, 32, 33, 35, 41, bonus (45, 46, 57, 59, 61)

Second hour exam

3.7: 3, 5, 7, 13, 29, 30, 39, 43, 45, 54, 55, 74, 75, 76, 77, 79, 83, bonus (81, 85, 87, 88)

3.8: 7, 8, 9, 10, 11, 19, 20, 21, 23, 27, 39, 41, 43, 48, 49, 51, 59, 60, 61, 62

3.9: 9, 11, 12, 13, 17, 24, 25, 36, 37, 38, 40, 41, 45, 46, 51, 57, 53, 61

4.2: 5, 6, 13, 14, 16, 18, 19, 22, 23, 24, 25, 27, 29, 31, 33

4.3: 5, 6, 25, 26, 27, 29, 31, 33, 35, 34, bonus (37, 42, 43), 45, 46

4.4: 5-16, 19-23, 28, 29, 32, 33, 38, 39, 40, 41, 42, 43, 44 (max-min again! cf. Section 3.6)

Third hour exam

4.5: 20, 21, 25, 26, 27, 38, 39, 50, 51, 52, 53

4.6: 2, 12, 32, 34, 36, 48, 64, 65, 66, 67

5.2: 5, 6, 23, 24, 25, 26, 27, 28, 36, 39, 41, 45, 57, 58, 59, 60

8.3: 3, 7, 11, 15, 17, 31, 32, bonus (41),

Final Exam

In general, bonus problems on exams are similar to the bonus problems in the homework assignments, which are harder than the rest.