Textbook: "Thomas' Calculus: Early Transcendentals", 12th edition, Addison Wesley

| Sections | Problems |
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| 12.1 | $8,10,20 \mathrm{c}, 26 \mathrm{a}, 50,52,56,58,60 \mathrm{~b}$ |
| 12.2 | $12,14,16,20,22,26,28,34,42,43,46$ |
| 12.3 | $4,6,10,30,43,44$ |
| 12.4 | $1,3,6,8,16,18$ |
| 12.5 | $2,5,14,17,23,29,35,39,41,44,53,57$ |
| 12.6 | $1,3,5,7,9,54,55,56,57,58$ |
| 13.1 | $4,5,11,17,18,19$ |
| 13.2 | $3,6,19,21,23$ |
| 13.3 | $2,6,9,11,13,18,19$ |
| 13.4 | $3,4,9,11,13$ |
| 13.5 | $1,3,5,11,13,15$ |
| 13.6 | $2,3,6,7$ |
| 14.1 | $22,24,31-36,50,61,62$ |
| 14.2 | $6,12,14,26,36 \mathrm{a}, 38 \mathrm{a}, 41,43,60$ |
| 14.3 | $6,7,12,20,27,30,44,65,66,67$ |
| 14.4 | $4,7,13,16,28,35,41,43,44$ |
| 14.5 | $2,14,17,22,25,27$ |
| 14.6 | $3,7,9,15,17,29,35,39,45,50$ |
| 14.7 | $2,4,7,33,39,41$ |
| 14.8 | $5,8,12,23,26,30,31,37$ |
| 14.9 | $2,6,10,11$ |
| 14.10 | $3 \mathrm{a}, 3 \mathrm{~b}, 5 \mathrm{a}, 5 \mathrm{~b}, 9,10,11$ |
| 15.1 | $5,8,16,18,21$ |
| 15.2 | $19,22,34,50,54,57$ |
| 15.3 | $13,17,19,22$ |
| 15.4 | $10,13,17,30,37$ |
| 15.5 | $7,11,23,29,32,35,40$ |
| 15.6 | $2,5,13,22,23,24$ |
| 15.7 | $3,4,7,18,24,25,30,33,51,53,54$ |
| 15.8 | $2,3,4,7,9,12$ |
| 16.1 | $1-8,11,16,36$ |
| 16.2 | $5,7,21,27,32$ |
| 16.3 | $3,6,8,10,14,20,34$ |
| 16.4 | $4,6,8,19,22,24,26$ |
| 16.5 | $2,3,5,7,15,17,37,39,40,41$ |
| 16.6 | $17,30,35,37$ |
| 16.7 | $2,3,6,9,15$ |
| 16.8 | $3,4,9,11,14,21,27$ |
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