Suggested exercises from Calculus: Early Transcendentals $3^{\text {rd }}$ edition by Briggs, Cochran Gillett

| Section |  | Recommended problems (odds unless stated otherwise) |
| :---: | :---: | :---: |
| 12.1 | Parametric Equations | $\begin{aligned} & \text { 11-23, 27-31, 35-45, 51, 53, 67, 69, 73-83, } \\ & 87,89,91 \end{aligned}$ |
| 12.2 | Polar Coordinates | 9-19, 23-47, 55, 57, 61, 69, 71, 77 |
| 12.3 | Calculus in Polar Coordinates | $\begin{aligned} & \text { 11, 15, 21, 25, 29-37, 41, 43, 51, 57, 61, 65, } \\ & 69,75 \text { a\&b } \\ & \hline \end{aligned}$ |
| 12.4 | Conic Sections | $\begin{aligned} & 13,17,21,25,29,35,37,41,43,49,51,53, \\ & 55,57,61,69,73 \end{aligned}$ |
| 13.1 | Vectors in the Plane | 5, 7, 13-19, 23-27, 31-55, 61, 65, 69, 87 |
| 13.2 | Vectors in Three Dimensions | $\begin{aligned} & 9-13,19,27-39,43,45,49,51,53,61-69,73, \\ & 76,82 \end{aligned}$ |
| 13.3 | Dot Product | 13-21, 25-29, 35-47, 51, 53, 63, 65, 69, 85 |
| 13.4 | Cross Product | 11, 21-35, 43, 45, 58, 62 |
| 13.5 | Lines and Planes in Space | 1, 11-35, 39, 43, 45, 49-53, 65, 67, 73, 79, 81 |
| 13.6 | Cylinders and Quadric Surfaces | $\begin{aligned} & 7,11,15-19,29,33,37,41,53,55,57,59, \\ & 62,63 \end{aligned}$ |
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