

1. – (graded) p.224 – 9.
 2. – (graded) p.230 – 5. (Hint: If $e^z \cos x = \cos y$, and $\cos x \cos y > 0$, then $z = \log \frac{\cos y}{\cos x}$, so this surface can be viewed as a Monge patch(work); keep in mind that $\cos x$ and $\cos y$ are either both positive or both negative.)
 3. – (graded) p.238 – 3.
 4. – (graded) p.238 – 6.
 5. – (graded) p.250 – 2.
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6. – (bonus) p. 239 – 9.
7. – (bonus) p. 239 – 11.