

1. Ex. 3.1 # 4, 6, 14.
2. Ex. 3.2 # 1, 3, 6(a) (use the elementwise method), 17(c)(d).
3. Ex. 3.3 # 3, 8.
4. Ex. 4.1 # 2(c), 12(b) you will need trigonometric identities, 14, 16, 23(b)
5. Ex. 4.2 # 1, 12, 14
6. Prove that 21 divides $4^{n+1} + 5^{2n-1}$ whenever n is a positive integer.