

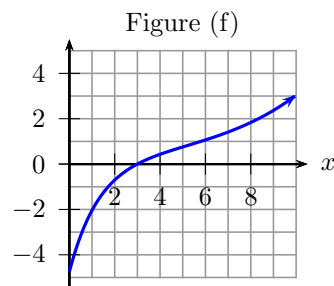
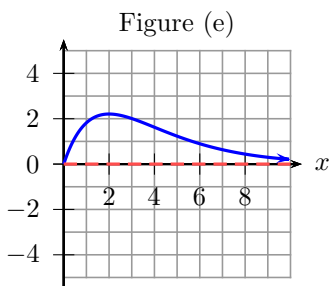
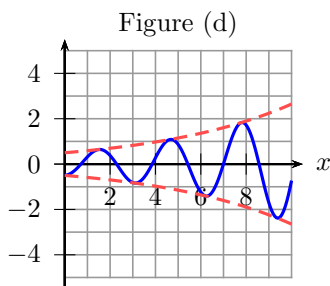
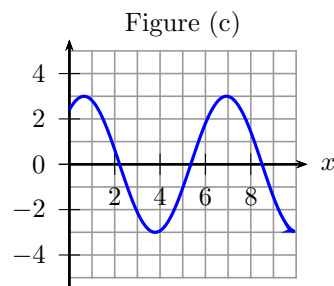
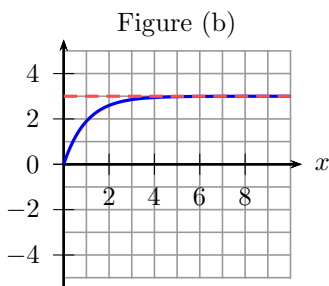
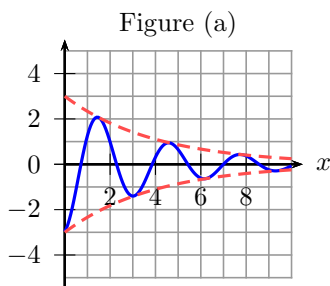
MATH 2340 WARM-UP PROBLEMS

Consider the differential equation

$$ay'' + by' + cy = 0, \quad y(0) = y_0, \quad y'(0) = y'_0.$$

Match following parameter sets for a, b , and c with the corresponding graph that matches a solution to the initial value problem.

- | | |
|-----------------|--------------------------------|
| 1. Figure _____ | $\{a, b, c\} = \{16, 8, 65\}$ |
| 2. Figure _____ | $\{a, b, c\} = \{4, 4, 1\}$ |
| 3. Figure _____ | $\{a, b, c\} = \{16, 8, -3\}$ |
| 4. Figure _____ | $\{a, b, c\} = \{1, 1, 0\}$ |
| 5. Figure _____ | $\{a, b, c\} = \{16, -8, 65\}$ |



That's it. No more fun left.