

22C:16 Practice for Quiz 7

1. What does each of the following expression evaluate to?
 - (a) `map(bool, [12, 0, []], -1, 0.0, "test", "")`
 - (b) `filter(math.floor, [1.4, 0.3, -0.24, 1.78])`
 - (c) `map(sum, [[-1,-2,3], [2,3,4], [3,-4,5]])`
 - (d) `map(range, range(min([-2, 4, 7]), max([-2, 4, 7]), 3))`
 - (e) `map(sum, map(range, range(10)))`
2. What does each of the following expression evaluate to? Suppose that L is the list `["These", "are", "a", "few", "words", "that", "we", "will", "use"]`.
 - (a) `L[4:1:-1]`
 - (b) `L[len(L)-1]`
 - (c) `L[3:6][2][2]`

(d) $L[0][1:]$

(e) $L[0:2] + L[4:6]$
