

1. a. 8
- b. 48
- c. 12 because its a pointer pointer
- d. 4
- e. they point at the same address
- f. (on last page of pdf)

3. a. all correct guesses

twod + 3 is: 0x7fff5871fbc4
((twod + 1)) is: 10
*twod + 1 is: 0x7fff5871fba4
*twod[2] is: 20
*(twod + 2) + 2 is: 0x7fff5871fbc0
twod[1] is: 0x7fff5871fbac
twod[1][2] is: 12

ptr 0x7fff5871fba0
twod [1] 0x7fff5871fbac
ptr[1] 1
ptr + 1 0x7fff5871fba4
*(ptr + 1) 1
twod + 1 0x7fff5871fbac
*twod + 1 0x7fff5871fba4
ptr[8] 22

4. no, because that is targeting a pointer that does not exist. if it was adding too much that moved out of the array then it would but this is an unknown location that we do not own

11. int (*twod)[3] as a parameter is equivalent to passing in int twod[][3]. whereas passing in int *(twod[3]) is passing in the * array that is stored in row 3.