

a. Given cell array

```
ca = {3, {true, {5}, {'hi'}, 9}, 7}
```

Which of the following would be the correct way to index out the value 9 class double?

☐ `ca(3){2}`

☐ `ca{2}{3}(2)`

☒ `ca{2}{3}{2}`

☐ `ca{2}(3)`

b. Which line of code correctly indexes 'Saint' from the cell array `ca` below?

```
ca = {'rainbow', {17, {'Saint Pat', 'shamrock'}}, 'green'}
```

☐ `st = ca{2}{2}{1}(1:5)`

☐ `st = ca{2}{2}(1)(1:5)`

☐ `st = ca(2){2}{1}(1:5)`

☐ `st = ca{2}{2}{1}{1:5}`

c. The following lines of code are run in the command window:

```
>> ca =  
{6}, 'Hey', [true, false; true, true], {7, 8, 'Cows'}, [1 2];  
>> element = ca{4}{3}(3)
```

i. What is the value of `element`?

```
'w'
```

```
>> element2 = ca{4}(2){1}
```

ii. Now, the above line is run in the command window. Would that error? If so, why? If not, what is the value of `element2`?

```
Error: ()-indexing must appear last in an index expression.
```

iii. Use chain indexing to obtain the value of `[true, false]`.

```
ca{3}(1, :)
```

