Examples of list, tuples and dictionary:
Screen grabs from idle session

```
>>> pprint(scene['char_grp'])
[('rat', (2.71, -8.33, 5.2)),
 ('dog', (2.71, -8.33, 5.2)),
 ('cat', (0.0, 0.0, 5.2)),
 ('bear', (6.775, -8.33, -5.2))]
>>> point1[1]
-8.33
>>> point4
(0.0, -41.65, 5.2)
>>> point4[-1]
5.2
>>> # tuples and strings are immutable
>>> point4[0] = 4

Traceback (most recent call last):
  File "<pyshell#33>", line 1, in <module>
    point4[0] = 4
TypeError: 'tuple' object does not support item assignment
>>> all_points
[(2.71, -8.33, 5.2), (6.775, -8.33, -5.2), (0.0, 0.0, 5.2), (0.0, -41.65, 5.2)
]
>>> all_points.append(num1)
>>> all_points
[(2.71, -8.33, 5.2), (6.775, -8.33, -5.2), (0.0, 0.0, 5.2), (0.0, -41.65, 5.2)
, 5]
>>> all_points.append(scene["char_grp"])
>>> pprint(all_points)
[(2.71, -8.33, 5.2),
 (6.775, -8.33, -5.2),
 (0.0, 0.0, 5.2),
 (0.0, -41.65, 5.2),
 5,
 [('rat', (2.71, -8.33, 5.2)),
  ('dog', (2.71, -8.33, 5.2)),
  ('cat', (0.0, 0.0, 5.2)),
  ('bear', (6.775, -8.33, -5.2))]]
>>> print(all_points)
[(2.71, -8.33, 5.2), (6.775, -8.33, -5.2), (0.0, 0.0, 5.2), (0.0, -41.65, 5.2)
, 5, [('rat', (2.71, -8.33, 5.2)), ('dog', (2.71, -8.33, 5.2)), ('cat', (0.0,
0.0, 5.2)), ('bear', (6.775, -8.33, -5.2))]]
```

```
>>> del all_points[-2:-1]
>>> pprint(all_points)
[(2.71, -8.33, 5.2),
 (6.775, -8.33, -5.2),
 (0.0, 0.0, 5.2),
 (0.0, -41.65, 5.2),
 [('rat', (2.71, -8.33, 5.2)),
  ('dog', (2.71, -8.33, 5.2)),
  ('cat', (0.0, 0.0, 5.2)),
  ('bear', (6.775, -8.33, -5.2))]]
>>> len(all_points)
5
>>> del all_points[4]
>>> all_points
[(2.71, -8.33, 5.2), (6.775, -8.33, -5.2), (0.0, 0.0, 5.2), (0.0, -41.65, 5.2)
]
>>> all_points
[(2.71, -8.33, 5.2), (6.775, -8.33, -5.2), (0.0, 0.0, 5.2), (0.0, -41.65, 5.2)
]
>>> print("number of items in all_points list %d" % len(all_points))
number of items in all_points list 4
>>> num_list = []
>>> type(num_list)
<type 'list'>
>>> num_list = [num1, num2]
>>> num_list
[5, 2]
>>> num_list.append(num3)
>>> num_list
[5, 2, -3]
>>> vtx_list = scene["char_grp"]
>>> vtx_list
[('rat', (2.71, -8.33, 5.2)), ('dog', (2.71, -8.33, 5.2)), ('cat', (0.0, 0.0,
5.2)), ('bear', (6.775, -8.33, -5.2))]
>>> vtx_list = [point1, point2, point3]
>>> vtx_list
[(2.71, -8.33, 5.2), (6.775, -8.33, -5.2), (0.0, 0.0, 5.2)]
>>> num_list
[5, 2, -3]
>>> num_list.extend(vtx_list)
>>> num_list
[5, 2, -3, (2.71, -8.33, 5.2), (6.775, -8.33, -5.2), (0.0, 0.0, 5.2)]
>>> num_list.sort()
>>> num_list
[-3, 2, 5, (0.0, 0.0, 5.2), (2.71, -8.33, 5.2), (6.775, -8.33, -5.2)]
>>>
```