Attribute Assignment (Question)

```python
>>> p = shapes.Point3(0,0,0)
>>> q = p
• Execute the assignments:
  >>> p.x = 5
  >>> q.x = 7
• What is value of p.x?
```

A: 5  
B: 7  
C: id4  
D: I don’t know

Attribute Assignment (Solution)

```python
>>> p = shapes.Point3(0,0,0)
>>> q = p
• Execute the assignments:
  >>> p.x = 5
  >>> q.x = 7
• What is value of p.x?
```

A: 5  
B: 7  
C: Correct  
D: I don’t know

How Many Folders (Question)

```python
import shapes
p = shapes.Point3(1,2,3)
q = shapes.Point3(3,4,5)
Draw everything that gets created. How many folders get drawn?
```

What Else? (Question)

```python
import shapes
p = shapes.Point3(1,2,3)
q = shapes.Point3(3,4,5)
Draw everything that gets created. How many folders get drawn? What else gets drawn?
```

How Many Folders (Solution)

```python
import shapes
p = shapes.Point3(1,2,3)
q = shapes.Point3(3,4,5)
Draw everything that gets created. How many folders get drawn?
```

What Else? (Solution)

```python
import shapes
p = shapes.Point3(1,2,3)
q = shapes.Point3(3,4,5)
Draw everything that gets created. How many folders get drawn? What else gets drawn?
```
what is in p.x at the end of this code?

A: 1  B: 2  C: 3  D: I don’t know

import shapes
p = shapes.Point3(1,2,3)
q = shapes.Point3(3,4,5)
def swap_x(p, q):
    t = p.x
    p.x = q.x
    q.x = t
    swap_x(p, q)

What is in p.x at the end of this code?

A: 1  B: 2  C: 3  D: I don’t know

import shapes
p = shapes.Point3(1,2,3)
q = shapes.Point3(3,4,5)
def swap(p, q):
    t = p
    p = q
    q = t
    swap(p, q)

What is in global p after calling swap?

A: id1  B: id2  C: I don’t know

import shapes
p = shapes.Point3(1,2,3)
q = shapes.Point3(3,4,5)
def swap(p, q):
    t = p
    p = q
    q = t
    swap(p, q)

What is in global p after calling swap?

A: id1  B: id2  C: I don’t know