CPE/CSC 101

Today

· Boolean values

· Composite Data

. class

· object

type hints

· More on testing

4 + (a + 2) x b // 3 4 + (7 + 2) * 6/13 4 + 9 * 6,11 3 4 + 9 * 9 11 3 + 81 // 3 4 + 27

Known Values

a [7]

b [9]

PEMBAS

float bool >> True, False 2+4 (6 * 10 6 < 6 × 10 6 4 60 True

$$y = 2$$

$$x^{2} = 5$$

$$y^{2} = 3$$

$$y^{2} = 3$$

$$x^{2}, y^{2}$$

$$y^{2} = 3$$

$$y^{3} = 3$$

$$y^{2} = 3$$

$$y^{2} = 3$$

$$y^{3} = 3$$

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$$y^{2} = 3$$

$$y^{2} = 3$$

$$y^{3} = 3$$

$$y^{2} = 3$$

$$y^{3} = 3$$

$$y^{4} = 3$$

$$y^{4}$$

```
Class
   -blueprint/template for
constructing composite data
point
                                            Point:
      X-coordinate
y-coordinate
                                   def -- init -- (self, x:float, y:float);
                                           self. X = X
                                            self. y = y
```

class Point: - use class to def __init__ (self, x:float, y:float); create values self, X = X - such values are called object self. y = y (object is an instance of a class) p1 = Point (2, 2) p2 = Point (6,3)

