Lab 2:

Explain:

1. What does the = symbol do?
    a. The = symbol assigns a value to a variable (Ex. x=3)
2. What did the int in the last statement do?
    a. Because z=1.2 and 1.2 is a float, the int function converted the argument, 1.2 which is a float, into an integer, 1
3. Area problem
    a. If the radius is 4, then the whole diagonal is 8
    b. By using the pythagorean theorem, $a^2+b^2=c^2$
    c. Both sides a and b are the same, so we can label both of them x
    d. If 8=c, then $c^2=64$
    e. So, $64=2x^2$
    f. So, $32=x^2$
    g. So, $x=\sqrt{32}$
    h. Therefore, the area is 32