**>>> #Problem 1**

>>> a='Apricot' # Sets a equal to 'Apricot'

>>> x=len(a)\*2 #Sets x equal to the amount of characters in a times 2

>>> x

14

**>>> #Problem 2**

>>> a=' arizona '# Sets a equal to ' arizona '

>>> x=a.strip().capitalize()# Sets x equal to a, stripped of spaces and capitalized.

>>> x

'Arizona'

**>>>#Problem 3**

>>> a=True #sets a to True

>>> b=False #sets b to False

>>> x=b and a or a and b #Sets x equal to False and True or True and False

>>> x

False

**>>> #Problem 4**

>>> x=2 #sets x equal to 2

>>> y=13 #sets y equal to 13

>>> x+=y#sets x equal to x+y

>>> x

15

**>>> #Problem 5**

>>> x=16-4\*3 #Multiplies 4 by 3 and then subtracts from 16

>>>x

4

Joshua Pollock

CS126 Homework 2

Class id: 2-159

**>>> #Problem 6**

>>> x=10+2\*5+3/2 #Multiplies 2 by 5 and divides 3 by two and then adds both to 10

>>> x

21.5

**>>> #Problem 7**

>>> x='here' or 'there'#Sets x= to 'here'

>>> x

'here'

**>>> #Problem 8**

>>> x=2 #Sets x= to 2

>>> y=8 #sets y= to 8

>>> x\*\*=y#Sets x= to 2^8

>>> x

256

**>>> #Problem 9**

>>> x=24 and 3600 #Sets x= to 3600

>>> x

3600

**>>> #Problem 10**

>>> fahrenheit=float(90)#Sets Fahrenheit to 90

>>> celsius=(fahrenheit-32)\*5/9#Converts Fahrenheit temperature to celsius

>>> x=celsius#sets x= to celsius

>>> x

32.22222222222222

**>>> #Problem 11**

>>> a=True #Sets a to True

>>> b=False #Sets b to false

>>> x=a or b #sets x= to True

>>> x

True

**>>> #Problem 12**

>>> x='{2}{1}{0}'.format(False , 's', 37)#Organizes False,'S', and 37 in the order of 37, 's', False

>>> x

'37sFalse'

**>>> #Problem 13**

>>> a='hello THERE'#Sets a = to 'hello THERE'

>>> x=a[0:5].upper()#Sets x= 'HELLO'

>>> x+=' '+a[5:].lower().strip()#Sets x= to 'HELLO'+' '+'there'

>>> x

'HELLO there'

**>>> #Problem 14**

>>> x='{a}{c}{b}'.format(a=1,b=2,c=3)#Sets x= to '132'

>>> x

'132'

**>>> #Problem 15**

>>> y=[True, False, True, True]#Sets y equal to the list True,False, True, True

>>> x=y[1]and y[3]#sets x= to False

>>> x

False

**>>> #Problem 16**

>>> x=len('snails'\*3)#Sets x= to the length of the word snails\*3

>>> x

18

**>>> #Problem 17**

>>> x='{:.3}'.format(3.14567)#sets x= 3.15 by rounding 3.14567 to 3 numbers

>>> x

'3.15'

**>>> #Problem 18**

>>> x='Disney land' or 1776 and 34#Sets x= to 'Disney land'

>>> x

'Disney land'

**>>> #Problem 19**

>>> x=7 #Sets x= to 7

>>> y=2 #Sets y= to 2

>>> x=x//y+4 #sets x= the floored quotient of 7/2 which is 3 and adds 4

>>> x

7

**>>> #Problem 20**

>>> y=13

>>> x=y%2+5//2 #Sets x= to the remainder of 13/2 and adds that to the floor quotient of 5/2

>>> x

3