1. Expressions
   10
   4.0
   18.0
   13
   26.0
   True
   True
   True

2. Parameter Mystery
   he says can we yes
   Barry says maybe we can
   we says he we can
   Sarah says no we can't
   he says says we yes

3. If/Else Mystery
   3 8
   5 0
   5 6
   8 2
   12 7

4. Programming (two solutions shown)
   ```python
   def has_odd_even(x, y, z):
       return x % 2 != y % 2 or y % 2 != z % 2
   
   def has_odd_even(x, y, z):
       if (x % 2 == 0 and y % 2 == 0 and z % 2 == 0):
           return False
       elif (x % 2 == 1 and y % 2 == 1 and z % 2 == 1):
           return False
       else:
           return True
   ```
5. Programming (two solutions shown)

```python
def longest_name(names):
    longest = ""
    tie = False
    for i in range(1, names + 1):
        name = input("name #" + str(i) + "? ")
        if (len(name) > len(longest)):
            longest = name
            tie = False
        elif (len(name) == len(longest)):
            tie = True
            longest = longest[0].upper() + longest[1:].lower()
    print(longest + ". name is longest")
    if (tie):
        print("(There was a tie!)")

def longest_name(names):
    longest = input("name #1? ")
    count = 1
    for i in range(2, names + 1):
        name = input("name #" + i + "? ")
        if (len(name) == len(longest)):
            count += 1
        if (len(name) > len(longest)):
            longest = name
            count = 1
    fixed_name = longest[0].upper()
    fixed_name = fixed_name + longest[1:].lower()
    print(fixed_name + ". name is longest")
    if (count > 1):
        print("(There was a tie!)")
```
6. Programming (five solutions shown)
   
def hopscotch(hops):
    print("   1")
    for i in range(1, hops + 1):
      print(str(3*i - 1) + "     " + str(3*i))
      print("   " + str(3*i + 1))

def hopscotch(hops):
    for i in range(0, hops):
      print("   " + str(3*i + 1))
      print(str(3*i + 2) + "     " + str(3*i + 3))
      print("   " + str(3 * hops + 1))

def hopscotch(hops):
    for i in range(1, hops + 1):
      print("   " + str(3*i - 2))
      print(str(3*i - 1) + "     " + str(3*i))
      print("   " + str(3*hops + 1))

def hopscotch(hops):
    for i in range(1, hops * 3 + 2):
        if (i % 3 == 1):
            print("   " + str(i))
        elif (i % 3 == 2):
            print(i, end='');
        else:
            print("   " + str(i))

def hopscotch(hops):
    print("   1")
    num = 2
    for i in range(1, hops + 1):
        print(str(num) + "     " + str(num + 1));
        print("   " + str(num + 1));
        num = num + 3