1.
   a. There is no colon at the end of the line for the for loop.
   b. There was no call to the function main()
   c. The input on line 6 will default to a string input rather than an integer. It is reading n as a string.
   d. Total is not defined before the for loop and doesn't have any data stored.
   e. The n is not going all the way to the 4 in the loop therefore you need to add a + 1 to the n in the range. Ex: for I in range(1, n +1):

2.
   a. printIntro() and printReport()
   b. main()
   c. simNGames()
   d.

   simNGames(n)

   printReport(n, wins)

   e. If simOnegame(wins) == True:

         wins = wins + 1

   f.

   def rollDice():

         die1 = randrange(1, 6)

         die2 = randrange(1, 6)

         return die1 + die2

3. **Problem 4**
   a. True
   b. True
   c. False
   d. True
   e. False
   f. True
   g. True
   h. True
   i. True
   j. False

4. **Problem 6**
   a. ShotTracker.update(1/30)
   b. def is_hit(self, shot):

         shotx = shot.getX()

```
        shoty = shot.getY()

        centerx = self.center.getX()

        centery = self.center.getY()

        if ((centerx – shotx) ** 2 + (centery – shoty) ** 2) <= (self.radius ** 2):

            lucky_shot = shot
```

c.

```
     self.destroy()

    Target()
```