MAS 170 Elementary Statistics Spring 2020 Sum of Draws Practice Problems, Ch 16 to 18 $\,$

Problems 1--9 below are about the following game. A fair die is rolled 600 times. On each roll, you win \$4\$ if you get a 6. You lose \$1\$ if you get something different from a 6.

1.	The total winnings will be about \$ give or take \$ or so.
2.	The chance of breaking even or better is about
3.	The number of sixes rolled will be about give or take
4.	The chance that the number of sixes will be ten or more above the expected number is about
5.	The sum of the numbers on the die face on all the rolls will be about give or take
6.	The chance that the sum will be in the range 20502150 is about $$
7.	There is about a 50% chance that the sum will be in the range 2100 plus or minus
8.	The total number of even rolls will be about $___$ give or take $___$
9.	The chance that the number of even rolls will be off by 20 or more from the expected number is about