MAS 170 Elementary Statistics Fall 2021 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 to \$ or so.	ake
2.	The chance of breaking even or better is about	·
3.	The number of sixes rolled will be about giv	ve or take
4.	The chance that the number of sixes will be ten or more expected number is about $\underline{\hspace{1cm}}$	above the
5.	The sum of the numbers on the die face on all the rolls give or take	will be about
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 plus or minus $___$.	range 2100
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 from the expected number is about	20 or more