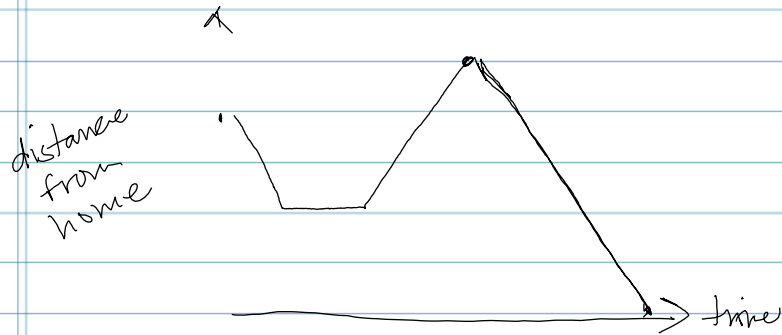
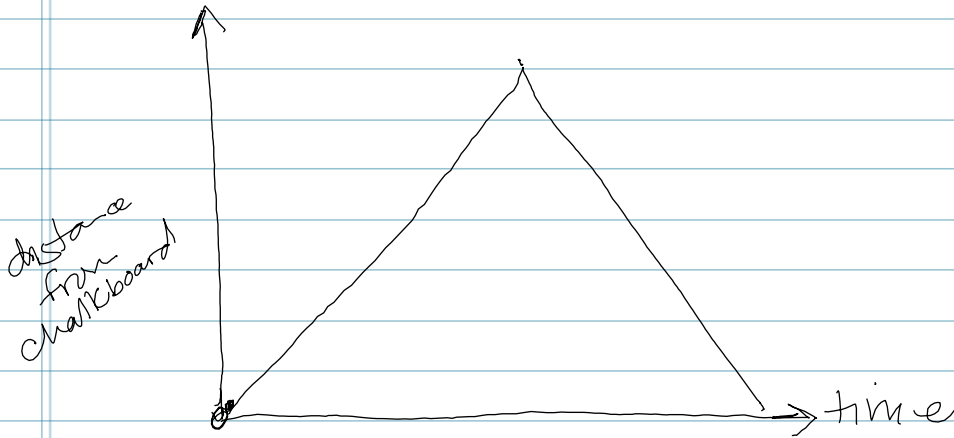
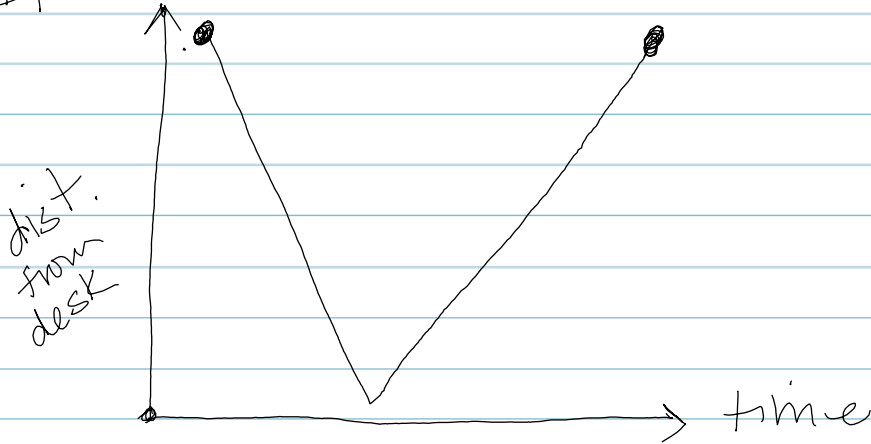


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TW 61-65

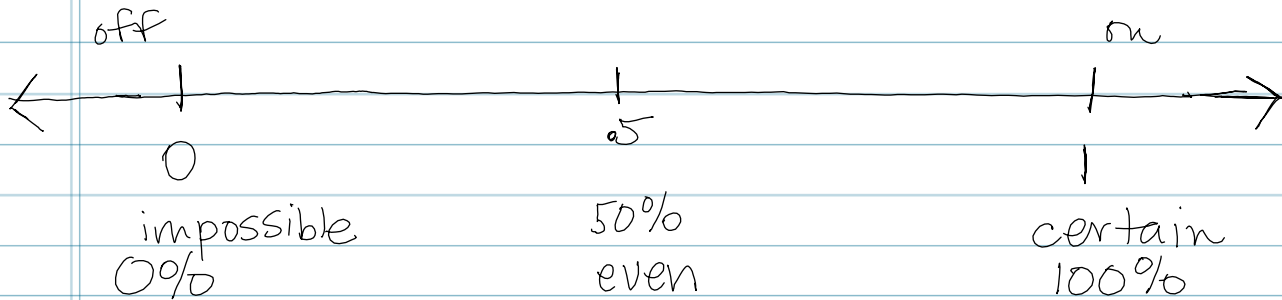
TW61
#1



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event - flip a coin

outcome - heads or tails



probability - the likelihood, ~~likelihood~~ likelihood of an event occurring.
[Expressed as favorable out of all possible outcomes]

base 10 base = 0, 1, 10, 11, 100, 101, 1000, 1001, 1010
0 0 1011, 10000, 10001
1 1

- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

Flash forward -

(T) (H) possibilities
50%
1:2
 $\frac{1}{2}$
1 out of 2
.5

tails = ~~Prob~~ 50%
1:2
1 out of 2
 $\frac{1}{2}$
.5

probability - $\frac{\text{desired outcome (favorable)}}{\text{to all possible outcomes}}$

Flip a coin 1 : 2 (Prob)
 1 : 1 (Odds)

roll a die 1 : 6 (Prob)
 1 : 5 (Odds)

odds - a ratio of probability
 favorable to unfavorable
 (desired) (undesired)

$$\begin{array}{r} .1\overline{66} \\ 6 \overline{) 1.00} \\ \underline{6} \\ 40 \\ \underline{36} \\ 40 \end{array}$$

dice

event

single event - roll one die

comp. event - roll two dice