

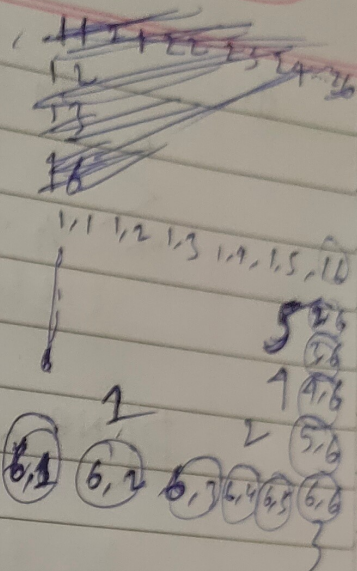
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Probability Assignment

classmate

Date _____
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1. $P(\text{Sum of no. being even} \mid \text{one of the die shows 6}) = \frac{5}{36}$



2. $P(\text{Sum} < 7) = \frac{15}{36}$

3. $P(1H) = \frac{7}{8}$ $P(2H) = \frac{4}{8}$

$$P(2H \mid 1H) = \frac{\frac{4}{8}}{\frac{7}{8}} = \frac{P(2H \cap 1H)}{P(1H)}$$

$$= \frac{4 \times \frac{8}{7}}{8} = \frac{4}{7}$$

$$= \frac{4/8}{7/8} = \frac{4}{7}$$