Probability Exercises Lecture 3 I

(b)
$$P(AUB) = P(A) + P(B) - P(A \cap B) = 0.5 + 0.5 - 0.5 \times 0.5 = 0.75$$

 $P(A \cap B \mid AUB) = \frac{P(A \cap B)}{P(A \cup B)} = \frac{0.5 \times 0.5}{0.75} = \frac{1}{3}$

$$\begin{array}{ll}
\lambda(a) & T = \{2, ..., 12\} \\
A = \{3, \frac{1}{5}, \frac{1}{$$