

BLR TUTORIAL SHEET - Question 7

* odds for men

$$\frac{80}{20} = \frac{4}{1} = 4$$

* odds for women

$$\frac{20}{80} = \frac{1}{4} = 0.25$$

odds ratio

$$\frac{\text{odds (men)}}{\text{odds (women)}} = \frac{4}{0.25} = \underline{\underline{16}}$$

Question 8

odds are 4 : 1

$$\frac{P}{1-P} = 4$$

$$\therefore P = 4 - 4P$$

$$5P = 4$$

$$P = \frac{4}{5} = \underline{\underline{0.80}}$$