

3 (a) if X represent winning
then.

$$P \bar{X} = \frac{100}{7} = 14.28$$

because we have two passes

$$14.28 \times 2.$$

$$= 28.56.$$

$$P X = P 150 - P X^{-1}$$

$$150 - 28.56$$

$$= 121.44$$

$$\leq \$ 121.44$$