Worksheet 1

1

$$d = 100$$

$$\sqrt{d}$$

$$||x|| = \sqrt{(3-1)^2 + (2-2)^2 + (1-3)^2} = 2\sqrt{2}$$

$$||x|| = \sqrt{d((-1) - 1)^2} = 2\sqrt{d}$$

 $P_r(pick\ A)P_r(not\ A) + P_r(pick\ B)P_r(not\ B) + P_r(pick\ C)P_r(not\ C) + P_r(pick\ D)P_r(not\ D)$ $= \frac{1}{4} \times 0.5 + \frac{1}{4} \times 0.8 + \frac{1}{4} \times 0.8 + \frac{1}{4} \times 0.9$ $=\frac{3}{4}$

<u>(b)</u>

Α

50%

6 (a)

<u>(b)</u>

2

<u>(c)</u>

(d)

3

<u>(e)</u>

50%





star



square



square



7500

<mark>10</mark>

50%

25%