Year 12 Probability Worksheet – Answers

1   2/13   2   ½   3   3/5   4   973/100

5   option(i)

6   The probability distribution of success is:

X	0	1	2	3	4
$P(X)$	$\dfrac{625}{1296}$	$\dfrac{500}{1296}$	$\dfrac{150}{1296}$	$\dfrac{20}{1296}$	$\dfrac{1}{1296}$

7   11/243   8   11/50

9   The probability distribution of the number of defective bulbs is

X	0	1	2
P(X)	$\dfrac{49}{100}$	$\dfrac{21}{50}$	$\dfrac{9}{100}$

10   1/52

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