

## 1.4 – Calculating powers and roots

		Student name:	Answers	Sco	re:
1.	Work out	$\sqrt{2\frac{1}{4}}$ . $\frac{3}{2}$			[2]
2.	. Work out.	2 026			
	(	$(0.6)^2$ 0.36			[1]
3.	Find $\sqrt[3]{0.0}$	01. 0.1			[1]
4	. Work out.	$(0.3)^2$ 0.09			[1]
5.	. Work out.	$0.2^3$ $0.008$			[1]
6.	Work out.	$(0.03)^2$ 0.0009			[1]
7.	Find the va	lue of $(0.1)^2$ . 0.01			[1]
8.	Work out.				
	(a) $(-4)^2$	16			[1]
	<b>(b)</b> $(0.3)^2$	0.09			[1]
Q	Work out the exact value of $\sqrt{2\frac{7}{9}}$ .		<u></u>		
٠.	Work out to	no exact varies of $\sqrt{2}$	).	$[\pm]\frac{5}{3}$	or $1\frac{2}{3}$ [2]
					[2]
10.	Work out	$(0.2)^3$ . $0.008$			[1]
11.	You are giv	$ven that  \sqrt{7} = 2.65 \text{ a}$	and $\sqrt{70} = 8.37$ ,	each correct to 2 decimal place	es.
	Use this in	formation to find the va	alue of		
	(a) $\sqrt{700}$	,			
				26.5	[1]
	<b>(b)</b> $\sqrt{280}$				
				16.74	[1]

