Direct Variation (1)	Name:	Class: () Date:
Question	1. Given that y varies 2. directly as x^2 . When $x=2$, $y=24$. Express y in terms of x.	Given that y varies as x.3.Given that y varies directly as x^3 .4.Given that y varies directly as \sqrt{x} .When $x=6$, $y=2$.When $x=3$, $y=54$.When $x=16$, $y=2$.Express y in terms of x.Express y in terms of x.Express y in terms of x.
 Write down an equation connecting the variables (including the variation constant k) 		
 Substitute the values of the variables to find k 		
 Write down an equation connecting the variables again (substituting the value of <i>k</i>) 		

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Direct Variation (2)	Name:	Cla	uss: ()	Date:
Question	5. Give that z varies as 6. x^4 . When $x=3$, $z=27$. Express z in terms of x.	Given that A varies as x^2 . When $x=4$, $A=20$. Express A in terms of x.	7. Given that <i>P</i> varies as \sqrt{n} . When $n=100$, $P=25$. Express <i>P</i> in terms of <i>n</i> .	. Given that s varies as t^3 . When $t=4$, $s=32$. Express s in terms of t.
 Write down an equation connecting the variables (including the variation constant k) 				
 Substitute the values of the variables to find k 				
 Write down an equation connecting the variables again (substituting the value of <i>k</i>) 				

Inverse Variation (1)	Name:	Cla	ass: ()	Date:
Question	1. Given that y varies 2. inversely as x. When $x=2$, $y=6$. Express y in terms of x.	Given that y varies inversely as x^2 . When $x=3$, $y=4$. Express y in terms of x.	3. Given that y varies 4 inversely as \sqrt{x} . When $x=4$, $y=5$. Express y in terms of x.	Given that y varies inversely as x^3 . When $x=2$, $y=0.5$. Express y in terms of x.
1. Write down an equation connecting the variables (including the variation constant k)				
 Substitute the values of the variables to find k 				
 Write down an equation connecting the variables again (substituting the value of <i>k</i>) 				

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Inverse Variation (2)	Name:	Class:	() Date:
Question	inversely as x . inverse When $x=2$, $P=15$. When		
 Write down an equation connecting the variables (including the variation constant k) 			
 Substitute the values of the variables to find k 			
Write down an equation connecting the variables again (substituting the value of <i>k</i>)			