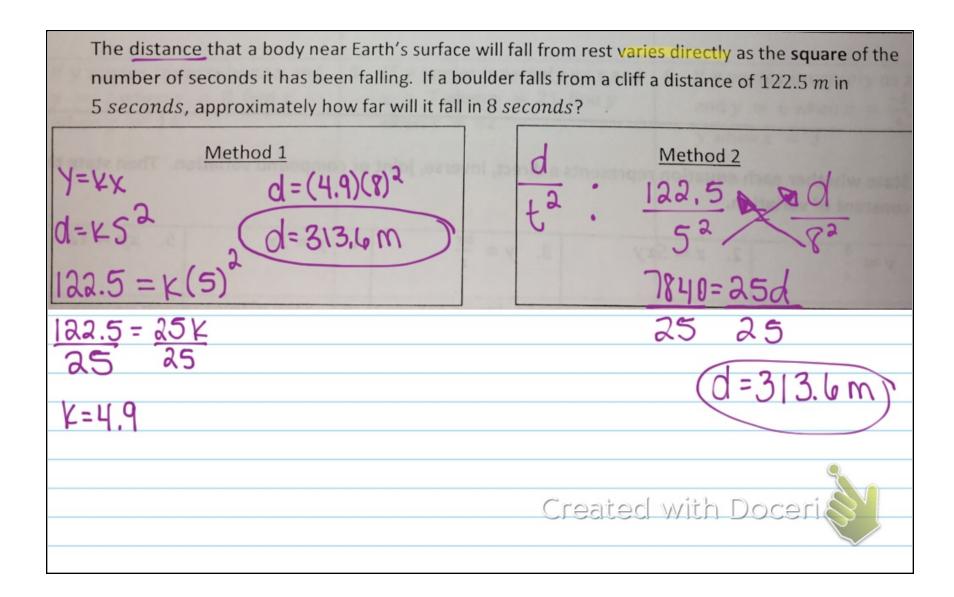
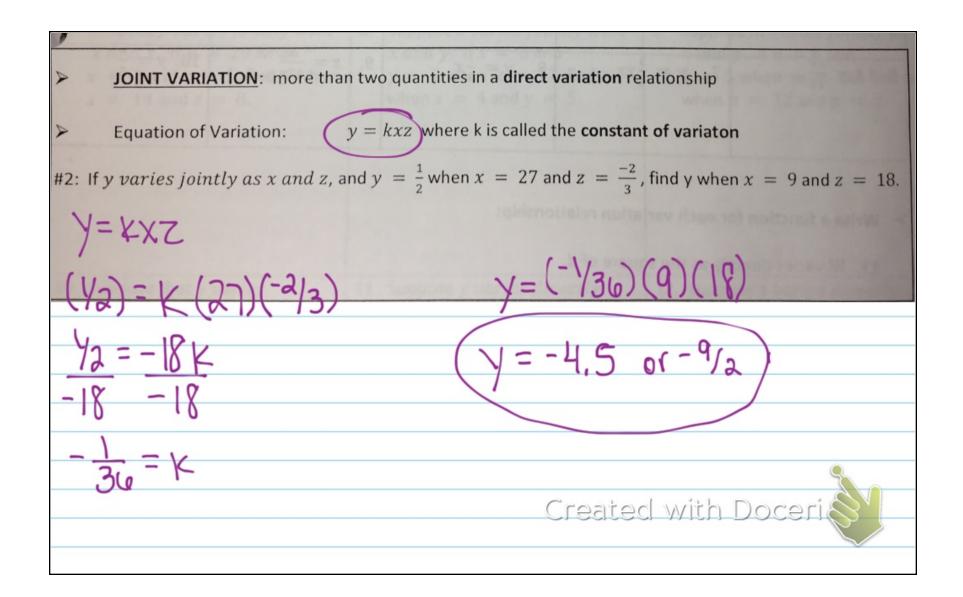
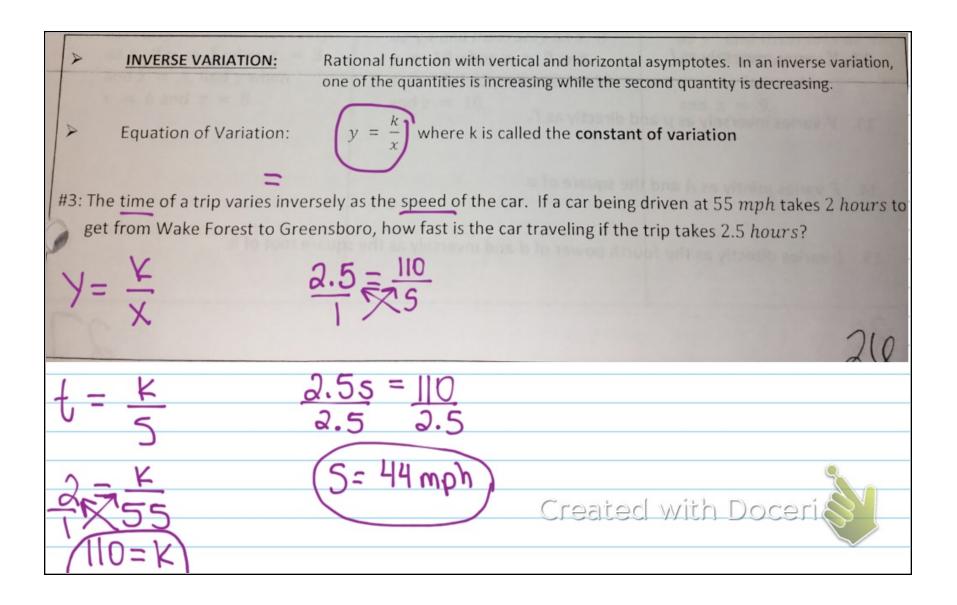
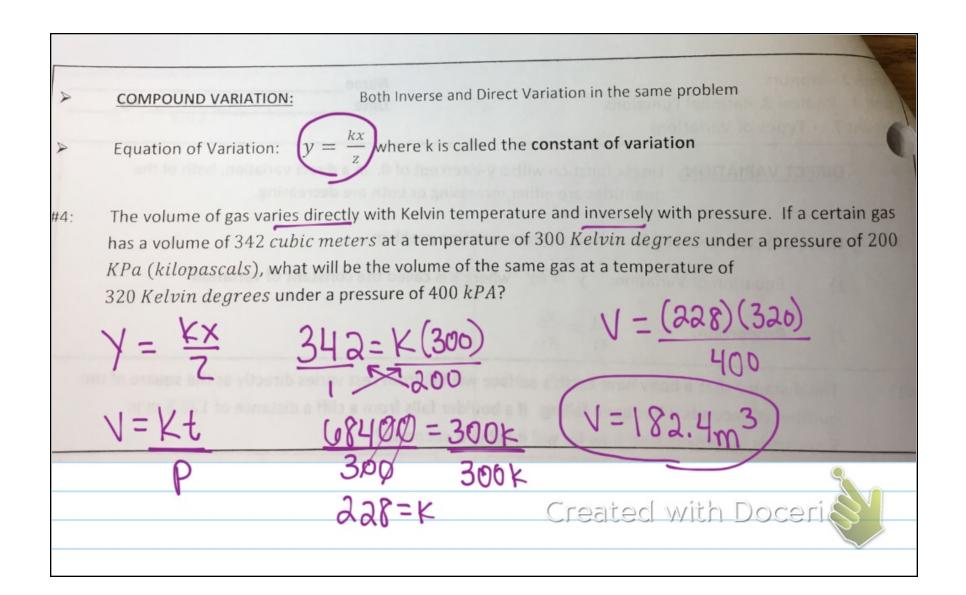


	$\rightarrow$ Types of Variation		Date	Pd
D	IRECT VARIATION:	Linear function with a y quantities are either inc	-intercept of 0. In a direct variation creasing or both are decreasing.	on, both of the
Tł	here are two metho	ds for solving a direct va	riation problem: 5 loge	
1)	) Equation of V	ariation: $y = kx$ where	ere k is called the constant of vari	ation
2)	) Proportion:	$\frac{y_1}{x_1} = \frac{y_2}{x_2}$		
				۲
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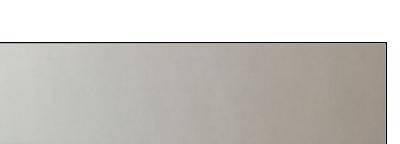


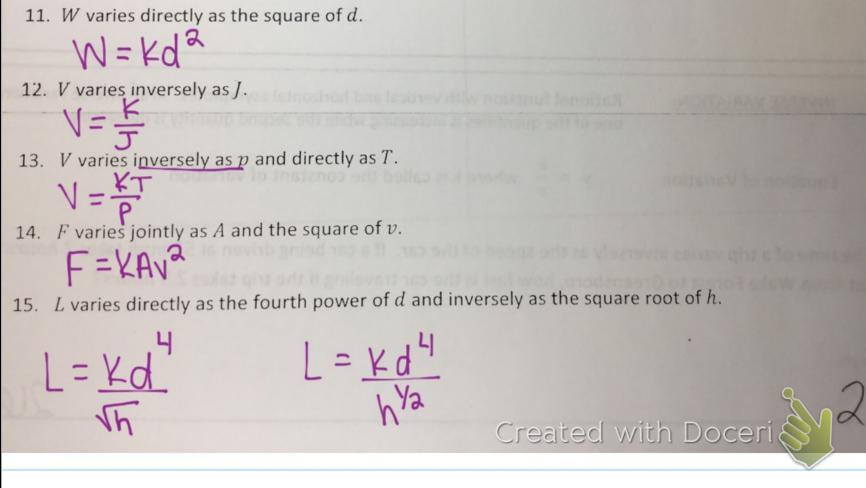




1. $y = \frac{9}{x}$ inverse k = q	2. $z = 5xy$ Joint k=5	3. $y = \frac{8x}{z}$	4. $y = 2x$ Direct y = 2	5. $xy = 12$ $y = \frac{12}{x}$	
$F = \frac{xy}{15}$ $C = \frac{1}{15} \cdot X \cdot Y$ $Y = \frac{1}{15}$	7. $y = \frac{3}{4}xz$ Joint k = 3/4	$\frac{\xi = g}{8.  y = \frac{1}{3}x}$ Direct $\xi = \frac{1}{3}y$	9. $z = \frac{x}{12y}$ Compound $\chi = \sqrt{12}$	111111111111111111111111111111111111	
Joint	y= 3xz y= -4	$z = \frac{1}{12} \cdot \frac{x}{y}$			
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Write a function for each variation relationship:





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