Note: There are no points for solving this problem. All points are for setting up the equations, plugging in the relevant numbers, and stating what you want to solve for.

Given the following returns over the past four years (June 1 through June 1 of each year), calculate the beta of Stanley Black & Decker (SWK) and the beta of a portfolio where you invest \$600,000 in Stanley Black & Decker and \$400,000 in Goldman Sachs which has a beta of 1.63.

<u>Year</u> <u>SV</u> 2012 − 8' 2011 +46' 2010 +53'	76 +3% 76 +28% 76 +12%
$+5 \left(\beta = \chi_{54} \right)$	
+2 (Xwsk = 6	1
45 (Bank To	Usak, sup ar sup
+S (COV SUK, SOF	Usuk, SAP ar sAP = 1 / (-8-Rsuk) (3-Rsup) + (4b-Rsuk)(28-Rsup) = 3 ((-8-Rsuk) (3-Rsup) + (-22-Rsuk)(-28-Rsup) = 3 - Rsuk)(12-Rsup) + (-22-Rsuk)(-28-Rsup)
	53-Rquie)((2-1054) 1 4 (-8+46+53-22)
+2 (RSWK-	$\frac{1}{3} + \frac{1}{28} + 12 - \frac{1}{28} + (\frac{1}{28} - \frac{1}{28})^{2} + (\frac{1}{28} - \frac{1}{28$
KS (Varson =	1 ((3-Rstp) + (20)