Inverse Proportion

Question	Equation	Find k	New Equation	Find Value using Equation
A is inversely proportional to B, when $A = 5, B = 6$. Find A when $B = 10$.	$A = \dfrac{k}{B}$	$5 = \dfrac{k}{6}$ so $k = 30$	$A = \dfrac{30}{B}$	$A = \dfrac{30}{10} = 3$
(a) y is inversely proportional to x, when $y = 12, x = 5$. Find y when $x = 4$.				
(b) N is inversely proportional to L, when $N = 2.5$, $L = 8$. Find N when $L = 4$.				
(c) y is inversely proportional to x. If $y = 5$ when $x = 8$, find y when $x = 20$				
(d) A is inversely proportional to B and when $A = 12, B = 3$. Find A when $B = 10$	(e) h is inversely proportional to V and $h = 36$ when $V = 8$. Find h when $V = 20$	(f) y is inversely proportional to x, and $y = 0.2$ when $x = 5$. Find x when $y = 25$	(g) y is inversely proportional to x. When $x = 2, y = 64$. Find x when $y = 80$.	