**UNIT 6 Rational Functions** 

Review

NAME:

DATE:



DIRECTIONS: Translate each statement into an equation  
using k as the constant of variation.  
() Y varies directly with p and q and inversely with the  
square root of z.  

$$V = \frac{K p q}{\sqrt{z}}$$
(8) The amount of students passing Bean's class, S,  
varies directly with the square of hours he makes  
packets, P, and inversely with the mount of students passing Bean's class hen he works 12  
hours and has 24 kids who didn't do homework were the weekend, H. II 18  
students are passing Bean's class who he is possed 16  
hours on packets and has only 16 kids who didn't do homework's, then  
how many students are passing bean is class who didn't do  
homework'', II 2 =  $\frac{1}{12} \frac{1}{12} \frac{1}$