Inverse Variation Exercises 16

uation expressing inverse variation.

- when with x, and
- Ģ with to travel

aries inversely

Suppose

mph.

- y varies inversely H 75 when × = 12. with X and
- y is inversely and <u>u</u> = proportional.
- The of inversely object with the force crowbar. when needed to crowbar Suppose length,
- is inversely and y=4. proportional to 4 when x = 90when x = 90.
- y varies inversely as x, and y = 6.25 when x = 0.16.
- The Ħ ski lift em. the = 40 m. number of chairs, distance, is inversely Suppose X y = 72 when between proportional ÿ, on a

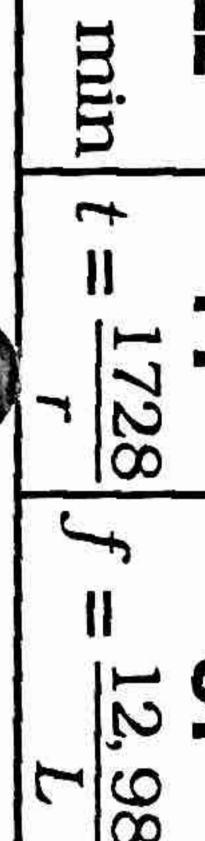
= 396 x	=
y = 3.8 ×	I
$F = \frac{1350}{L}$	
$y = \frac{48}{x}$	
$t = \frac{195}{r}$	8 >
7 1 Y 1	
$y = \frac{4.48}{x}$	SO
$y = \frac{2880}{x}$	E
$\frac{x}{960}$	Z
x = 900	0
$t=\frac{210}{r}$	Z
ا ا ا ا	III
$y = \frac{493}{x}$	Ę
'FJ	

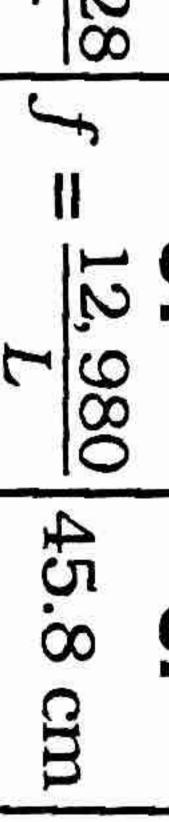
equation expressing inverse variation, problem. Cross out BOTH equation and the solution.

- with the width, w. a length of 105 ft and ngth igth of another h the same area, width is of 75 ft. rectangle with the length, Suppose 8 width of
- H that is 29.5 cm ond. ns per second, under the per second? How long same string, L. long vibrates long tension, is inversely string

- The inversely when the the resistance is current as resistance Suppose the in an electrical circuit, I, amount of resistance 24 ohms. is 40 ohms. le current Find the Si 15 current varies amps in the
- gallons varies inversely Suppose it flow it take time per rate is required takes to fill minute? s 96 with the gallons minutes to fill the pool when fill a swimming pool, the rate of water flow, Hons per minute.
 pool if the flow ra rate How is 24

	JMOLKS BOOK B	
	9 amps	
	$I = \frac{320}{R}$	SP
	$\ell = \frac{6300}{\omega}$	
	72 min	5
	8 amps	0
	74 min	m
7		1





360 92 ft 49.2 cm DS 5400

84 ft

