Algebra II pg 360		
1)	7) 8	6) 16 lux
2) 6	8) 8	, मु , v=मु ,²h
3)	.5	10) 20.6 L
J8	±6	378 kg
36	15 Ω	9:4
<i>IS</i>	0.125 mbo	





$$C = \frac{k}{k} = \frac{3}{k} = \frac{3}{2k} = \frac{3}{2k$$



8) The volume of a cone varies jointly as the height and the square of the radius of the base. A cone of height 8 cm and base diameter 9 cm has volume 54π. Find the constant of variation and general formula for the volume of a cone.

hr²

$$V = khr^{2} \qquad V = \frac{\pi}{3}$$

54\[Fi = k & (\frac{2}{2})^{2} & k & \\
54\[Fi = \frac{84}{5} & 8 & k & \\
54\[Fi = 162 & k & \\
\frac{54\[Fi = 162]}{162} = k & \\
\frac{54\[Fi = 162]}{3} = k & \\
\frac{54\[Fi = 162]}{3}





