



1 EXAMPLE Write the equation in slope-intercept form for the lines containing these pairs of points. a) (-3,2) and (5,2)  $M = \frac{2-2}{5-(-3)} = \frac{0}{8} = 0$ pt slope y-2=0(r-3) y-2=0 (Genural Form) (y=2) (slope-int. form) b) (-3,2) and (-3,5)  $M = \frac{S-2}{-2-(-3)} = \frac{3}{0}$  undefined ≠restical line (X=-3 c) (-3/2, -1/2) and (5/8,1/2)  $m = \frac{1}{2} - \frac{1}{2} = \frac{1}{5 + \frac{3}{2}} = \frac{1}{5 + \frac{3}{2}} = \frac{1}{8} = \frac{1}{18} = \frac$ Pt slope form y-ジ= 県(x-3)  $\begin{array}{c} y_{+\frac{1}{2}} = \frac{8}{17} \times + \frac{4}{17} \times \frac{8}{17} \\ y_{+\frac{1}{2}} = \frac{8}{17} \times + \frac{12}{17} \\ y_{=\frac{8}{17}} \times + \frac{12}{17} \\ y_{=\frac{8}{17}} \times + \frac{12}{17} - \frac{1}{2} \\ y_{=\frac{8}{17}} \times + \frac{12}{17} \\$ 











