





1. Determine whether line FG and line HJ
are parallel, perpendicular, or neither.
A. F (1, -3), G (-2, -1), H (5, 0), J (6, 3)
MFZ =
$$\frac{4}{4x} = \frac{-1-3}{-2-1} = \frac{-3}{-3} = -\frac{2}{-3}$$

MFZ = $\frac{4}{4x} = \frac{-1-3}{-2-1} = \frac{-3}{-3} = -\frac{2}{-3}$
b. F (4, 2), G (6, -3), H (-1, 5) J (-3, 10)
MFZ = $\frac{4}{4x} = \frac{-3-2}{-3-1} = \frac{5}{-2}$
MFJ = $\frac{4}{4x} = \frac{40-5}{-3-1} = \frac{5}{-2}$
Parallel





