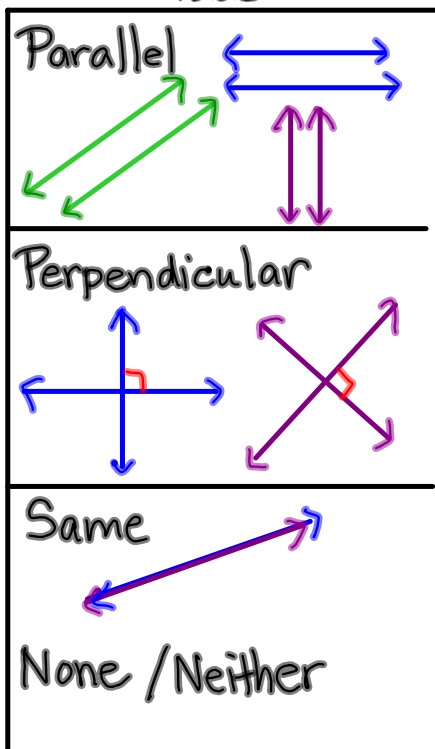


Sec. 5-6 Parallel and Perpendicular Lines

Outside



Inside

never intersect $y = 3x - 1$
SAME slope $y = 3x + 6$
 different intercepts $3x - y = 1$
 $3x - y = -6$

intersect at a RIGHT angle
 slopes: opposite reciprocals
 (flip fraction, change sign)

intersect at every point
 infinitely many times
SAME slope SAME intercepts
 intersect, but not at 90°
 slope not $\begin{cases} \text{same} \\ \text{opposite reciprocal} \end{cases}$