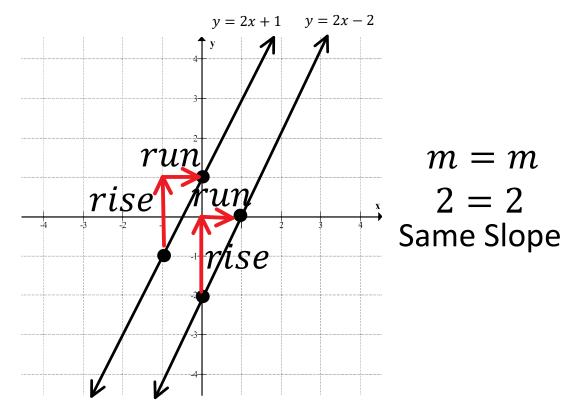
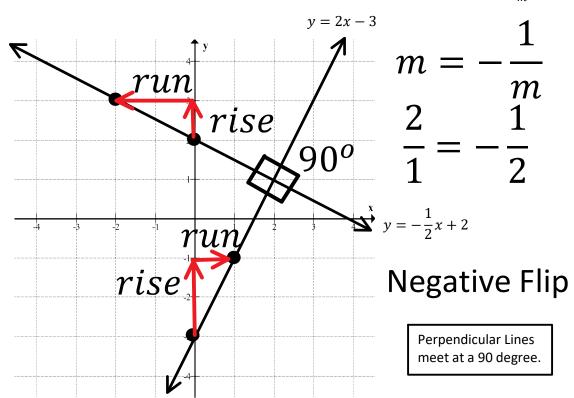
M10 - 7.5 - Parallel m=m/Perpendicular $m=-\frac{1}{m}$ Lines Notes

Parallel Lines: lines which never cross. Lines with the <u>Same Slope</u>. m=m



Notice: the graph of y = 2x - 2 and y = 2x + 1 are parallel because they have the same slope.

Perpendicular Lines: two lines which have Negative Reciprocal slopes and meet at 90°. $m=-\frac{1}{m}$



Notice: The slope of the one line is the negative reciprocal of the slope of the other.