Linear Equations

$$y-y_1=m(x-x_1)$$

$$Ax+By=C$$

Slope = vertical change
horizontal change
= risc = ryse
run = runx
=
$$\frac{y_2 - y_1}{x_2 - x_1}$$

9
$$y=-\frac{7}{5}x+1$$

 $5y=-7x+5$
 $7x+5y=5$
 $7x+5y-5=0$

①
$$y+4=-7(x-1)$$

 $y+4=-7x+7$
 $y=-7x+3$
 $7x+y=3$

parallel lines have the same slope perpendicular lines have opposite reciprocal Slopes

9
$$y = \frac{2}{3}x$$

 $y = \frac{2}{3}(x-2)$
 $y = \frac{$