PARALLEL   PERPENDICULAR   PARALLEL LINES HAVE SAME SLOPE
                                PERPENDICULAR LINES HAVE SLOPES THAT
  //   ⫫   ARE NEGATIVE RECIPROCALS

① $m=7$ PARALLEL   PERPENDICULAR

                   ⑦ $7 \rightarrow \frac{7}{1} \rightarrow \frac{1}{7} \rightarrow -\frac{1}{7}$ $\boxed{-\frac{1}{7}}$
                            START   WRITE   FLIP   CHANGE
                            WITH   IN   IT   ITS
                            GIVEN   FRACTION   SIGN
                            SLOPE   FORM

② $m=-\frac{2}{3}$ PARALLEL   PERP.

                   $\boxed{-\frac{2}{3}}$ $-\frac{2}{3} \rightarrow -\frac{2}{3} \rightarrow \frac{3}{-2} \rightarrow \frac{3}{2}$ $\boxed{\frac{3}{2}}$
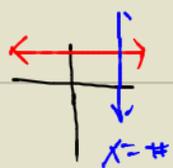
③ $m=0$ PARALLEL   PERP

                   ⓪ $\boxed{UNDEFINED}$

       $x=\#$

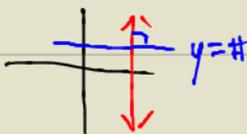 $\frac{0}{1} \rightarrow \frac{1}{0} \rightarrow \frac{-1}{0}$

④ $m=$ UNDEFINED   PARALLEL   PERP.

                   $\boxed{UNDEFINED}$ $\boxed{m=0}$

        $y=\#$

⑤ $L_1 : y=7x-2$ $L_2 : y=-7x+5$ $\boxed{7} \rightarrow \frac{7}{1} \rightarrow \frac{1}{7} \rightarrow \boxed{\frac{-1}{7}}$
     SLOPE=7   SLOPE = -7
                      $\boxed{NEITHER}$

⑥ $L_1 : y=0.2x-5$ $L_2 : y=\frac{1}{5}x-2$
     $0.2=\frac{2}{10}$ $\frac{1}{5}$
        $=\frac{1}{5}$
                      $\boxed{PARALLEL}$

⑦ $L_1 : 3x-2y-2=0$ $L_2 : 2x+3y-15=0$ $\frac{3}{2} \rightarrow \frac{3}{2} \rightarrow \frac{2}{3} \rightarrow \frac{-2}{3}$
     $3x-2=2y$ $3y=-2x+15$
     $\frac{3}{2}x-\frac{2}{2}=\frac{2}{2}y$ $\frac{3}{3}y=-\frac{2}{3}x+\frac{15}{3}$
     $\frac{3}{2}x-1=y$ $y=-\frac{2}{3}x+5$
     $m=\frac{3}{2}$ $m=-\frac{2}{3}$ $\boxed{PERP.}$