1. The slopes of parallel lines are $\qquad$ .
2. The slopes of perpendicular lines $\qquad$ .
3. Find the equation of a line parallel to $y=2 x-1$ that goes thru the point $(-2,1)$.
4. Find the equation of a line perpendicular to $y=-2 x+3$ that goes thru the point ( 2,2 ).
