Tell whether the lines are parallel, perpendicular or neither.

\[ y = -2x - 1 \quad y = -\frac{2}{3}x + 3 \]

\[ 12x + 6y = 36 \quad 3x - 2y = -4 \]
Find the coordinates of the midpoint of $\overline{RS}$ with endpoints $R(5, 2)$ and $S(9, 8)$.

Find the equation of the line that is perpendicular to the segment that passes through the midpoint. (The perpendicular bisector)

Graph the perpendicular bisector.