Tell whether the lines are parallel, perpendicular or neither.

$y = -2x - 1$

$12x + 6y = 36$

$y = -\frac{2}{3}x + 3$

$3x - 2y = -4$

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.