

Parallel and Perpendicular Lines

Sheet 5

- 1) A line v passing through the point $(-9, -1)$ and parallel to the line w which has a slope of -3 . Find the equation of the line v .

- 2) Write the equation of the line that is perpendicular to the line $-3x + 21y + 24 = 0$ and passes thro

- 3) The line r passe slope is $\frac{7}{6}$. Find

- 4) Find the equatio through the poi

- 5) Find the equation of the line that is perpendicular to the line joining the points $(-2, 8)$ and $(4, 9)$ and passes through the point $(1, -1)$.

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to the line s whose $y + 15 = 0$ and passes