	Final Exam Practice Sheet #4	**Answers**
1	$3 \le -2x + 1 \le 7$	$[-3, -1]$
2	$\lvert 3x - 2 \rvert - 3 = 5$	$\dfrac{10}{3}, -2$
3	$\lvert 1 - 3x \rvert > 5$	$\left(-\infty, -\dfrac{4}{3}\right) \cup (2, \infty)$
4	$Distance\ between:\ (2, -5)\ and\ (-3, 4)$	$\sqrt{106}$
5	$5y - 3 = 4x;\ find\ slope\ and\ y - intercept$	$m = \dfrac{4}{5}; \left(0, \dfrac{3}{5}\right)$
6	$Solve:\ \dfrac{3}{x-2} - \dfrac{4}{x+1} = \dfrac{5}{x^2 - x - 2}$	6
7	Find the equation of the line thru: $(-2,3)\ and\ (-4,7)$	$y = -2x - 1$
8	Equation of the vertical line through $(8,9)$	$x = 8$
9	Equation of the line perpendicular to line $y = -2x + 3$ and through $(-10,1)$.	$y = \dfrac{1}{2}x + 6$
10	Find center and radius: $x^2 + y^2 - 6x + 10y - 2 = 0$	$(3, -5); r = 6$