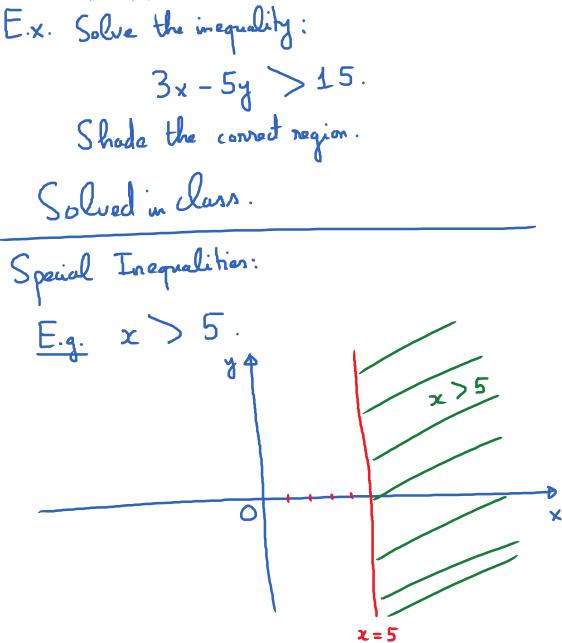
5.1. Linear Inequalities in 2 variables Wednesday, February 21, 2018 1:00 FM Goals: (1) Graph and solve linear inequalities in 2 variables x and y (2) Some applications. E.g. Solve and graph the solution set of the inequality: 2x < 3y. 1<sup>st</sup> Step: graph the line:  $2x = 3y \longrightarrow y = \frac{2}{3}x$  $\frac{3}{6}$ Solution  $2^{nd}$  Step: Use test point. (0,5): 2.0 < 3.5

5.1 Page 1



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