## CS 6001 Homework 3

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## 1 Problem 1

$$\begin{array}{r}
\frac{9}{7}x - \frac{6}{49} \\
7x + 3) \overline{)9x^2 + 3x + 5} \\
-9x^2 - \frac{27}{7}x \\
-\frac{6}{7}x + \frac{18}{49} \\
-\frac{263}{49}
\end{array}$$

$$(9x^2 + 3x + 5)/(7x + 3)$$