

Name:

Quiz 3

1. Completely factor each polynomial

(a) (4 points) $\frac{x-1}{x+2} - \frac{x+3}{x-4}$

(b) (4 points) $\frac{y^2-16}{2y+6} + \frac{y+3}{y-4}$

(c) (7 points) $\frac{1}{x-1} - \frac{2}{x+1} \div \frac{x^2-1}{3x+1}$