Section 6.3: cont'd:

Combine:

$$\frac{8a}{2a^2+4a+2} \quad - \quad \frac{3a-3}{a^2-1}$$

$$\frac{8a}{2(a+1)(a+1)} \quad - \quad \frac{3(a-1)}{(a-1)(a+1)}\left(\frac{2(a+1)}{2(a+1)}\right) \qquad \text{LCD: } 2(a+1)(a+1)$$

$$\frac{8a}{2(a+1)(a+1)} \quad - \quad \frac{6a+6}{2(a+1)^2}$$

$$\frac{2a-6}{2(a+1)^2}$$

$$\frac{2(a-3)}{2(a+1)^2}$$

$$\frac{a-3}{(a+1)^2}$$