**Write the expression as a simplified rational number.**

1. $\frac{3}{50}+ \frac{7}{30}$ 2. $\frac{4}{63}+ \frac{5}{42}$ 3. $\frac{5}{24}- \frac{3}{20}$

**Simplify the expression.**

 4. $\frac{y^{2}-9}{y^{3}+27}$ 5. $\frac{12+r-r^{2}}{r^{3}+3r^{2}}$ 6. $\frac{4x^{2}-9}{2x^{2}+7x+6} ∙ \frac{4x^{4}+6x^{3}+9x^{2}}{8x^{7}-27x^{4}}$

 7. $\frac{6}{x^{2}-4}- \frac{3x}{x^{2}-4}$ 8. $\frac{4}{(5s-2)^{2}}+ \frac{s}{5s-2}$ 9. $\frac{3t}{t+2}+ \frac{5t}{t-2}- \frac{40}{t^{2}-4}$

10. $\frac{12x}{2x+1}- \frac{3}{2x^{2}+x}+ \frac{5}{x}$ 11. $\frac{p^{4}+3p^{3}-8p-24}{p^{3}-2p^{2}-9p+18}$ 12. $4+\frac{2}{u}- \frac{3u}{u+5}$