

Subtracting Rational Expressions
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Subtract. Write answers in simplest form.

Answers

1. $\frac{a}{a+5} - \frac{3}{a+5}$

1. $\frac{a-3}{a+5}$

2. $\frac{b^2}{b+c} - \frac{c^2}{b+c}$

2. $b-c$

3. $\frac{d^2+d}{d^2-4} - \frac{d-2}{d^2-4}$

3. $\frac{d^2+2}{(d-2)(d+2)}$

4. $\frac{e^2+2e}{e^2+4e-12} - \frac{e+6}{e^2+4e-12}$

4. $\frac{e+3}{e+6}$

5. $\frac{1}{6} - \frac{2}{x}$

5. $\frac{x-12}{6x}$

6. $\frac{1}{9a} - \frac{2}{3}$

6. $\frac{1-6a}{9a}$

7. $\frac{-4}{x^2-16} - \frac{2}{x-4}$

7. $\frac{-2(x+6)}{(x-4)(x+4)}$

8. $\frac{4}{n+3} - \frac{2n}{n^2-9}$

8. $\frac{2(n-6)}{(n+3)(n-3)}$

9. $\frac{6}{m+4} - \frac{1}{m-4}$

9. $\frac{5m-28}{(m+4)(m-4)}$

10. $\frac{10w}{w-2} - \frac{5}{w+7}$

10. $\frac{5(2w^2+13w+2)}{(w-2)(w+7)}$

Please visit the Learning Lab for further assistance.