

[Home](#)
[Realtor](#)
[Algebra ALEKS Topics](#)
[Algebra Notes](#)
[Algebra Reviews](#)
[MAT0028](#)
[MAC1105](#)
[MGF ALEKS Topics](#)
[MGF Reviews](#)
[MGF Notes](#)
[STA2023](#)
[Stats ALEKS Topics](#)
[Stats Notes](#)
[Stats Reviews](#)

Algebra /

Multiplying rational expressions involving quadratics with leading...

$$\frac{x^2 - 1x - 6}{x - 1} \div \frac{4x - 12}{x + 1}$$

Annotations:
 - For the first fraction, -1 is crossed out and -6 is written above it.
 - Above the first fraction: "Keep" (above x^2), "change" (above -1), "flip" (above -6).
 - A circled $\div$ is between the fractions with "Flip" written below it.

$$\frac{2}{3} \div \frac{5}{7} = \frac{2}{3} \cdot \frac{7}{5} = \frac{14}{15}$$

Annotations:
 - Below the first fraction: "Keep".
 - Below the second fraction: "change".
 - Below the third fraction: "flip".

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

Annotations:
 - The $(x-3)$ in the numerator and denominator is crossed out.
 - The final simplified expression is boxed: $\frac{(x+2)(x+1)}{4(x-1)}$

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