Simplifying Quadratic Expressions

Level 1 - Simplify fractional expressions with a quadratic in the numerator
Level 2 - Simplify expressions with a quadratic numerator and denominator
Level 3 - Simplify expressions by removing a common factor first

Answers:

Level 1

a) $x-2$	**b)** $x-3$	**c)** $x+2$
d) $x-4$	**e)** $\frac{x+3}{x-2}$	**f)** $\frac{x-2}{2}$
g) $\frac{x+5}{x+7}$	**h)** 1	**i)** $\frac{x-3}{x}$
j) $\frac{x+2}{x}$	**k)** $\frac{3x+3}{5}$	**l)** $\frac{x-3}{4}$

Level 2

a) $\frac{x+2}{x}$	**b)** $\frac{x+3}{x+7}$	**c)** $\frac{x+4}{x+3}$
d) $\frac{x+1}{x-4}$	**e)** $\frac{x-10}{x+3}$	**f)** $\frac{x-6}{x+7}$
g) $\frac{x+2}{x-1}$	**h)** $\frac{x}{x-6}$	**i)** $\frac{x-3}{x}$

Level 3

a) $\frac{x-3}{2x+4}$	**b)** $\frac{x-2}{2x+4}$	**c)** $\frac{15-3x}{2x-8}$
d) $\frac{-2x+2}{x+5}$	**e)** $\frac{2x+8}{3x+9}$	**f)** $\frac{2x+4}{x-2}$