

Solving Single Variable Rational Equations (Quadratics)

Level 2 - If possible, solve rational equations with binomial denominators

Level 3 - If possible, solve rational equations after factoring



Remember to check for extraneous solutions

Answers:

Level 2

a) $x = \frac{15}{2}$	b) $x = -5$	c) $x = 11$
d) $x = 2$	e) $x = 0$	f) no solution

g) $x = 4, -7$	h) $x = 1, 3$
i) $x = 6$	j) $x = 2$
k) $x = -\frac{19}{8}$	l) $x = 8, -\frac{5}{2}$
m) $x = -1$	n) $x = 5$

Level 3

a) $x = -4$	b) $x = -1$
c) $x = -1$	d) $x = 8, -2$
e) $x = -\frac{4}{3}$	f) $x = 2$
g) $x = -\frac{1}{4}$	h) $x = 0$