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Learning Goal 6.2	Solving equations, identifying any non-permissible
	values and extraneous roots.

## Assignment

Solve the following rational equations. State any non – permissible values and/or extraneous roots.

a.	$\frac{1}{6k^2} = \frac{1}{3k^2} - \frac{1}{k}$	b. $\frac{1}{n^2} + \frac{1}{n} = \frac{1}{2n^2}$
	$k = \frac{1}{6}$	$n = -\frac{1}{2}$
c.	$\frac{1}{6b^2} + \frac{1}{6b} = \frac{1}{b^2}$	d. $\frac{b+6}{4b^2} + \frac{3}{2b^2} = \frac{b+4}{2b^2}$
	b = 5	b=4
e.	$\frac{1}{x} = \frac{6}{5x} + 1$	f. $\frac{1}{6x^2} = \frac{1}{2x} + \frac{7}{6x^2}$
	$x = -\frac{1}{5}$	x = -2
g.	$\frac{3}{m^2} = \frac{m-4}{3m^2} + \frac{2}{3m^2}$	h. $\frac{1}{n} = \frac{1}{5n} - \frac{n-1}{5n}$
	m = 11	n = -3