Name: _____ Date: _____

Learning Goal 6.2	Solving equations, identifying any non-permissible	
Learning Goal 8.2	values and extraneous roots.	

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

a.	$\frac{4}{5} = \frac{8}{d}$	b.	$\frac{1}{2x} - \frac{2}{5} = \frac{1}{10x}$
c.	$\frac{5}{x} + \frac{6}{x^2} = 6$	d.	$\frac{1}{8} = 1 + \frac{2}{x}$
e.	$\frac{3w^2}{w+4} = 5$	f.	$1 + \frac{v}{v-4} = 2v$