Solving Radical Equations

Examples:

$\sqrt{5z-2}=3$

$\sqrt{x-2}-7=-4$

$\sqrt[4]{x+3}=3$

$(x+5)^{1/3}=4$

Equations with two radical terms.

$\sqrt{4x-3}=2+\sqrt{2x-5}$

$$4+\sqrt{10-x}=6+\sqrt{4-x}$$

If $g(x)=\sqrt{x}+\sqrt{x-5}$, find x such that $g(x)=5$.