Radical Equations Worksheet:

1) Multiply.
$\left(\sqrt{5}+\sqrt{2}\right)\left(\sqrt{5}-\sqrt{2}\right)$

2) For each of the following, find the solution set:
   a) $\sqrt{n}=\sqrt{5}$
   b) $\sqrt{2x-1}+7=4$
   c) $\sqrt{2x+15}=x$
   d) $t-2\sqrt{4t-7}=0$
   e) $5\sqrt{4x-8}+2=12$

3) Solve.
   a) $8\sqrt{x}-32=0$
   b) $\sqrt{x+3}+8=15$
   c) $\sqrt{x}=\sqrt{5x-1}$
   d) $\sqrt{7x-5}=\sqrt{3x+19}$
   e) $x=\sqrt{2x+24}$

4) Solve.
   a) $\sqrt{0x-3}-\sqrt{8x-11}=0$
   b) $\sqrt{5x-6}=x$
   c) $4\sqrt{2x+1}-7=1$
   d) $\sqrt{x}+5=14$
   e) $\sqrt{6x-8}=\sqrt{4x-10}$