1. Evaluate:

$25^{\frac{1}{2}}$	$8^{\frac{4}{3}}$

2. Simplify:

$\sqrt{24}$	$\sqrt[3]{80}$
$\sqrt[4]{48}$	

3. Add or Subtract Radical Expressions:

$\sqrt{18} + 5\sqrt{8}$	$4\sqrt[3]{24x^4} - 2x\sqrt[3]{81x}$

4. Multiply Radical Expressions:

$\left(\sqrt{x} - 2\right)^2$	$\left(\sqrt{x} - \sqrt{y}\right)\left(\sqrt{x} + \sqrt{8y}\right)$
$\sqrt{3}\left(\sqrt{12} - \sqrt{20}\right)$	

5. Simplify:

$\dfrac{2}{\sqrt{3}}$	$\dfrac{7}{\sqrt{5x}}$
$\dfrac{1}{\sqrt[4]{2}}$	

6. Simplify:

$\dfrac{1}{\sqrt{x} - 2}$	$\dfrac{2}{\sqrt{3} - \sqrt{2}}$

7. Solve:

$\sqrt{4x - 1} = 3$	$\sqrt{2x + 13} = x + 5$

8. Solve radical equations with 2 radicals

$\sqrt{2x + 5} - \sqrt{x + 2} = 1$	$\sqrt{3x - 5} = 2\sqrt{7x - 20}$

9. Perform operations on complex numbers:

$(5+i)-(3+2i)$	$(4+7i)+(1+8i)$
$(4+i)(2-i)$	$\dfrac{4}{5-i}$
$\dfrac{3+2i}{4+3i}$	

10. Miscellaneous problems with imaginary numbers:

Simplify: $\sqrt{-27}$	Simplify: i^{301}