I. Solve a Radical Equation (p.577):

If $a = b$, then $a^n = b^n$

i.e., $\sqrt{x} = 2.5 \Rightarrow (\sqrt{x})^2 = (2.5)^2$

$x =$ _____

also, $\sqrt[3]{x} = -2 \Rightarrow (\sqrt[3]{x})^3 = (-2)^3$

$x =$ _____

II. Examples (p.578): Problems #2,42,18,24,**32**,34, 38,**44**,54

HW: pp.578-580 / Problems #1-53(every other odd), 55

Chapter 7: simplify rational expressions (*i.e.*, factor numerator/denominator & cancel common factors); perform arithmetic operations ($\pm$, $\times$ or $\div$); simplify compound fractions; solve equations w/rational expressions; solve proportions; solve application problems (*esp.* motion problems); solve direct ($y = kx$) variation *vs* inverse ($y = k/x$) variation problems.

Chapter 8: know perfect square/cube roots; simplify radical expressions; perform arithmetic operations ($\pm$, $\times$ or $\div$); rationalize the denominator; Pythagorean Theorem ($a^2 + b^2 = c^2$); solve equations w/a radical expression, including application problems.