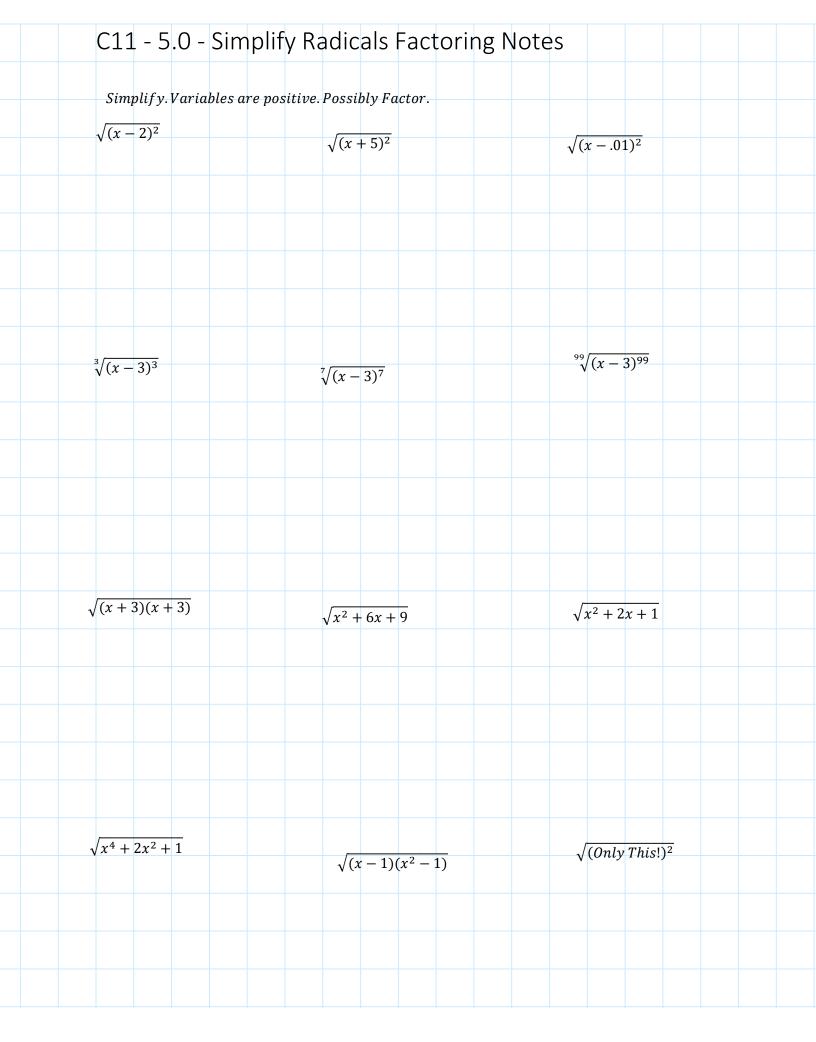
C11 - 5.0 - Sq	uare/Cube Radicals Equa	tions HW
Solve for x,		
$x^2 = 4$	2 0	
x = 4	$x^2 = 9$	$x^2 = -1$
$x^2 = 25$	$x^2 = 0$	
		$x^2 = -9$
$x^3 = 27$	$x^{3} = 8$	$x^3 = 64$
		X - 01
$x^3 = -8$	$x^3 = -27$	$x^3 = -64$
x = 0		х — От
$x^4 = 16$	$x^5 = 243$	$x^7 = 128$
		X - 120
$x^4 = -16$	$x^5 = -243$	$x^7 = -128$
$x^2 = 3$		
$x^2 = 3$	$x^3 = 7$	$x^4 = -5$

C11 - 5.0) - Simplify Radica	als Variables HW		
Simplify.Var	iables can be either positiv	e or negative.		
$\sqrt{4}$	$\sqrt{2^2}$	$\sqrt{x^2}$	16.2	
		V A	$\sqrt{16x^2}$	
$\sqrt{9x^2}$	$\sqrt{x^6}$	$\sqrt{\chi^{10}}$	$\sqrt{4x^4}$	
•	V X	VX		
Simplify.V	ariables are positive			
			$\sqrt{8x^2y^3}$	
$\sqrt{x^2y^2}$	$\sqrt{x^3}$	$\sqrt{x^5}$	•	
2 —	$\sqrt[3]{27x^3}$		3/ 2 2	
³ √27	$\sqrt{2/x^3}$	$\sqrt[3]{-27x^3}$	$\sqrt[3]{-8x^3}$	
$\sqrt[3]{x^6}$	$\sqrt[3]{x^5}$	$\sqrt[3]{-x^7}$	$\sqrt[5]{x^6y^3}$	



C11 - 5.0 - Mixed Radicals HW

Write as Mixed Radicals

$$\sqrt[2]{12} =$$

$$2\sqrt[2]{18} =$$

$$3\sqrt[2]{45} =$$

$$\frac{1}{5}\sqrt[2]{50} =$$

$$\frac{1}{8}\sqrt[2]{20x^2} =$$

$$\frac{\sqrt[2]{63}}{3}$$

$$\frac{3}{4}\sqrt[3]{24x^5} =$$

$$\frac{2}{5}\sqrt[2]{54} =$$

$$\frac{3}{5}\sqrt[2]{40} =$$

$$3\sqrt[3]{24} =$$

$$\frac{1}{9}\sqrt[3]{54x^3} =$$

$$2\sqrt[3]{135} =$$

$$\frac{3}{5}\sqrt[3]{40} =$$

$$\frac{2}{7}\sqrt[3]{189x^7} =$$

$$\frac{1}{2}\sqrt[3]{56} =$$

$$2/3\sqrt[3]{48} =$$

$$\frac{5}{6}\sqrt[3]{162} =$$

$$\frac{1}{4}\sqrt[3]{80} =$$

C11 - 5.0 - Entire Radicals HW

Write as Entire Radicals

$$2\sqrt[2]{3} =$$

$$3\sqrt[2]{2} =$$

$$5x\sqrt[2]{2} =$$

$$4\sqrt[2]{5} =$$

$$2x^2\sqrt[3]{7} =$$

$$7\sqrt[2]{2x}$$

$$4x\sqrt[2]{7x} =$$

$$7\sqrt[2]{6} =$$

$$13x^2\sqrt[3]{3x} =$$

$$2\sqrt[2]{99} =$$

$$5\sqrt[2]{1000} =$$

$$7\sqrt[2]{4} =$$

$$2\sqrt[3]{8} =$$

$$7\sqrt[3]{6} =$$

$$4xy\sqrt[3]{5xy} =$$

$$2\sqrt[3]{48} =$$

$$3\sqrt[3]{12} =$$

$$8\sqrt[3]{8} =$$

C11 - 5.0 - Simplifying Radicals Decimals/Fractions HW

Simplify

$$-\sqrt{16}$$

$$-\sqrt{9}$$

$$\sqrt{\frac{1}{16}}$$

$$\sqrt{\frac{1}{9}}$$

$$\sqrt{-9}$$

$$-\sqrt{-9}$$

$$\sqrt{.01}$$

$$\sqrt{.0625}$$

$$-\sqrt[4]{81}$$

$$\sqrt[3]{-0.125}$$