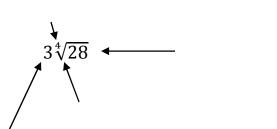
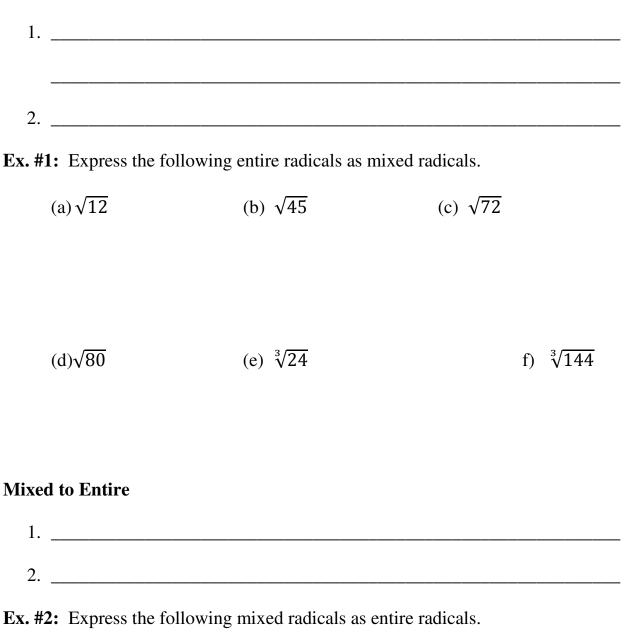
## Section 4.3 - Simplifying Radicals



Perfect Squares		Perfect Cubes
1 <sup>2</sup> =		$1^3 = $
$2^2 = $		$2^3 = $
$3^2 = $		$3^3 = $
4 <sup>2</sup> =		$4^3 =$
$5^2 = $		$5^3 = $
$6^2 = $		$6^3 = $
$7^2 = $		
$8^2 = $		
$9^2 = $	Entire Radical:	When all the are under the root sign. Except
$10^2 = \_$		the index. e.g.
$11^2 = \_$	Mixed Radical: When there is a in front of the root sign, as well	
$12^2 = \_$		as numbers under the root sign. e.g.

All	radicals can be written as	_ radicals and v	ice
versa.			

## **Entire to Mixed**



(a) $5\sqrt{3}$	(b) $2\sqrt{7}$	(c) $3\sqrt[3]{4}$	
(d) $3\sqrt{3}$	(e) $2\sqrt[3]{5}$	(f) $2\sqrt[4]{3}$	