

Name:

**Section 2.2 – Proficiency Check**

Simplify the following Radicals:

Emerging	Proficient	Extending
$\sqrt{108}$	$\sqrt[3]{432}$	$\sqrt{294x^5y^3}$

Multiply and then Simplify if possible:

Emerging	Proficient	Extending
$\sqrt{2} \cdot \sqrt{6}$	$\sqrt{15} \cdot \sqrt{21} \cdot \sqrt{70}$	$\sqrt[3]{12x} \cdot \sqrt[3]{18x}$

Write as Entire Radicals

<u>Emerging</u>	<u>Proficient</u>	<u>Extending</u>
$2\sqrt{5}$	$-4xy^2\sqrt[3]{3xy^2}$	$-6x^2y^3\sqrt{21xyz^2}$

How would you rate your level of understanding?

Emerging

Proficient

Extending

Explain your rationale.