

Name:

Section 2.2a – Proficiency Check – Power to a Power and Zero

Power Will the following be Positive or Negative? Explain why.

Emerging	Proficient
$(-2)^0$ <u>FP</u> to zero power <div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 5px; display: inline-block;">1</div> <div style="border: 1px solid black; padding: 5px; display: inline-block;">Positive</div> </div>	$(-3^2)^3$ <u>FN</u> to odd power neg <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-top: 10px;">Negative</div>

Simplify the following.

Proficient	Extending
$(2^4)^2 \cdot 2^{-2} \cdot (-2)^0$ $2^8 \cdot 2^{-2} \cdot 1$ <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-top: 10px;">2^6</div>	$-(2^3)^2 \cdot (2^2)^0 \cdot (-2)^3$ $-2^6 \cdot 1 \cdot -2^3$ $(-1)2^6 \cdot (-1)2^3$ <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-top: 10px;">2^9</div>

What has been the most challenging part of the Section 2 course work so far?