

Name \_\_\_\_\_

Date \_\_\_\_\_

MCAS Open Response – Order of Operations #1

Ms. Culjak is giving her students their scores on the last math test. She provides each student with an **expression** that has a value equal to the number of points the student scored on the test.

Leo must score a **minimum** of 80 points on the test to maintain a B in the class. The **expression** below *represents* the number of points Leo scored on the test:

$$4 \cdot 6 \div 3 + 5(2 - 6)^2$$

a) **Did** Leo score enough points to maintain a B in the class? *Show your work or explain how you got your answer.*

Work:	<p>Choose one      Choose one</p> <p>Yes/No, Leo did/did not score enough points because _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
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Gerard **estimates** that he scored 90 points on the test. The **expression** below *represents* the actual number of points Gerard scored on the test;

$$9 + 8[4 + 2(3 - 5)^2] - 3 \cdot 4$$

b) **What** is the difference between Gerard's **estimate** and the actual number of points he scored on the test? *Show or explain how you got your answer.*

Work:	<p>The difference is _____. I got this by</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
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