

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.

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 your work or explain how you got your answer.

Tia was given the expression below to represent the number of points she scored on the test.

$$\frac{26 - 10 \cdot 10 - 8}{8 \div 4}$$

- c. Tia claims that the expression **cannot** represent the number of points she scored on the test. Explain why Tia's claim is correct.

Ms. Culjak confirms that Tia's claim is correct. She says Tia's expression is missing one set of parentheses. Ms. Culjak also says that Tia scored 76 points on the test.

- d. In your Student Answer Booklet, copy Tia's expression and insert one set of parentheses in the expression so that the value of the expression is 76.