Grade 9 Pop Quiz 2:

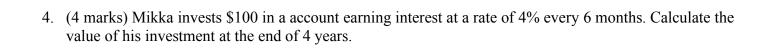Date: Nov 3rd, 2022   Time: 45 mins   Name: _____

Show Steps and therefore statement if needed!!

1. (2 marks) Evaluate $(-8 + 2)^2 \div \frac{(-4+2)^2}{-2^2}$

2. (3 marks) Which is a negative rational number between -10 and -9? How do you know?
   a) $-\frac{29}{3}$
   b) $-\frac{31}{3}$

3. (4 marks) Calculate $-2\frac{1}{10} + (2\frac{3}{5} - 3\frac{1}{4})^3$

4. (4 marks) Mikka invests $100 in a account earning interest at a rate of 4% every 6 months. Calculate the value of his investment at the end of 4 years.

5. (4 marks) Evaluate the expression for the given values.
$(\frac{2a}{5b})^2, a = 1\frac{1}{2}, b = -\frac{2}{5}$