## Math 9 - Gr. 8 Rev.

## Unit 2: Integers

- 1. Can you add integers? (+12) + (+23) = 35
  - (+12) + (-23) = -1
  - (-12) + (+23) =
  - (-12) + (-23) = -35
- 3. Can you multiply integers?
  - $(+8) \times (+6) = 48$
  - $(+8) \times (-6) = -48$
  - $(-8) \times (+6) = -48$
  - $(-8) \times (-6) = 48$

- 2. Can you subtract integers? Tip: add the opposite
  - (+12) (+23) = -1
  - (+12) (-23) = 12 + 23 = 35
  - (-12) (+23) = -35
  - (-12) (-23) = -12 + 23 = 1
- 4. Can you divide integers?

$$(+24) \div (+4) = 6$$

- $(+24) \div (-4) = -6$
- $(-24) \div (+4) = -6$
- $(-24) \div (-4) = 6$
- 5. a) In a basic equation, when do you get a positive integer as an answer?

- omit -

b) In a basic equation, when do you get a negative integer as an answer?

- omit -

5. Define sum, difference, product and quotient.

difference: subtract numbers sum: add numbers

product: multiply numbers quotient: divide numbers

7. A golf tournament is nine rounds. Katie shot -1 in two rounds, -2 on one round, and +3 on another two rounds, +1 on three rounds and a +5 on one round. What was Katie's final score? (-1)+(-1)+(-2)+3+3+1+1+1+5-4 + 14 = [+10 final score]

8. What is **Order of Operations** and when do you use it?

Brackets, Exponents, Divide + Multiply, Add + Subtract o use when you have several

operations in an expression or an equation

- 9. Solve the following:
- a)  $(-5) + (-12) \div (-3) =$ -5+ 4

b) (-3) x  $(+7) \div (-2) + 5 =$  $-21 \div (-2) + 5$ 

10.5+5

- c)  $[7 (-2)] \times 2 + (-12) \div (-4)$
- (7+2) × 2+(-12) +4 9 x 2 + (-12) =4

d)  $[(-9) - (-2)] \times 8^2 + (-15) \div (-5) - [(-3) + (-2)]$  $(-9 + 2) \times 64 + (-15) \div (-5) - (-5)$ 

-7 × 64 + (-15) ÷ (-5) +5