

Name: _____

Date: _____

Due Date: _____

Problem Solving: _____ / 30 Points

Write an algebraic expression for each verbal phrase.

1. Seven less than three times a number.

2. Five times the sum of a number and six.

Evaluate

3. $\frac{6}{7} - \frac{5}{4}$

4. $-\frac{2}{3} \cdot \frac{5}{8}$

Real, Rational, Irrational, Integer, Whole, Natural

5. Name all sets of numbers $-\frac{1}{2}$ belongs to.

6. Name all sets of numbers 0 belongs to.

7. Evaluate $\frac{3ab+c^2}{a}$ if $a = 8$, $b = 4$, and $c = 16$

Simplify

8. $3[4 - 8 + 4^2(2 + 5)]$

9. $\frac{2 \cdot 8^2 - 2^2 \cdot 8}{2 \cdot 8}$

10. $-\frac{1}{4} + \frac{2}{3}$