Algebra 1 Assessment

1. Add or subtract.

a) $\frac{1}{8} + \frac{3}{8}$
       b) $\frac{3}{4} - \frac{2}{5}$
       c) $3\frac{2}{3} + 1\frac{3}{4}$

2. Multiply or divide.

a) $\frac{5}{6} \times \frac{3}{4}$
       b) $\frac{9}{10} \div \frac{1}{2}$
       c) $1\frac{1}{2} \times 3\frac{2}{3}$

3. Find the sum or difference.

a) $2.4 + 0.21$
       b) $8.42 - 4.5$
       c) $63.5 - 9.87$

4. Find the product or quotient.

a) 0.4×41.9
       b) 8.4×4.52
       c) $68.5 \div 1.5$

5. Find the sum, difference or product.

a) $5 + (-7)$
   b) $3 \times (-6)$
     c) $-8 + (-2)$
     d) $4 - (-11)$

e) $(-4)(12)$
   f) $(-5)(-5)$
     g) $-5 + 9$
     h) $-17 - (-12)$

6. Simplify.

a) $\sqrt{9}$ b) $3\sqrt{64}$ c) 7^2 d) -2^2 e) $(-6)^2$

7. Perform the indicated operations.

a) $4 + 8 \times 3$ b) $20 \div 5 \times 2 - 6$ c) $(2 - 6)^2 + 3 \times (-4)$

8. Write in scientific notation.

a) 12300   b) 0.00456

9. Write in standard notation.

a) 3.5×10^{-3} b) 7.26×10^4

10. Solve.

a) $x + 4 = 1$ b) $2x - 5 = 7$ c) $\frac{x}{-3} + 2 = 11$

11. Plot each ordered-pair and name its location.

   a) $(2, -3)$

   b) $(-1, 4)$

   c) $(0, -2)$

   d) $(-2, -1)$