

Name \_\_\_\_\_ add and subtract review

Show all work for full credit. Simplify and reduce your fractional answers.

1.  $2\frac{2}{5} - 3\frac{1}{4}$

2.  $9.02 - -2.72$

3.  $5a^2 + 2a^2$

4.  $7.9 + 13 + 5.2$

5.  $x + 3x$

6.  $-10 - 5\frac{2}{3}$

7.  $-1\frac{1}{2} + 3\frac{1}{3}$

8.  $-15 - -4.28$

9.  $a^2 + 4a^2 - 2a^2$

10.  $-2\frac{1}{2} + -1\frac{2}{5}$

11.  $1.8 - 4.72$

12.  $4 + -3\frac{1}{4}$

Solve each word problem. Show all work for credit. Simplify and reduce all fractional answers.

13. Honeybees and bumblebees are two different insects. A honeybee can fly on average 5.78 miles per hour. A bumblebee can fly on average 6.4 miles per hour. Which type of bee can fly faster? \_\_\_\_\_

How much faster? Show your work below.

14. Siobhan has  $1\frac{3}{8}$  ounces of gold. Loren has 1.38 ounces of gold. Who has more gold? \_\_\_\_\_

A. How much more gold does that person have? Show your work below.

B. If gold is selling for \$67.23 for each ounce, how much is Siobhan's gold worth? Show all work below.

15. A parallelogram has sides that measure  $2x$  and  $4x + 7$ . What is the perimeter of the parallelogram? Draw a picture of the parallelogram with labels below to solve the problem.