Algebra I Quiz #8 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**You must SHOW ALL WORK to receive full credit.**

**Add, subtract, multiply, or divide the following fractions. Answers must be reduced to lowest terms.**

1. 5$ \frac{3}{7}÷1\frac{2}{3}=$ 2. $\frac{2}{15}+ \frac{9}{10}=$

**Use PEMDAS to simplify the following expressions.**

3. $\left(3-\left(12-20\right)-2\right)÷3-7=$\_\_\_\_\_\_\_\_ 4. $13-\left(3^{2}-1\right)÷2+3=$\_\_\_\_\_\_\_

**Evaluate the formula.**

5. If $A=\frac{1}{2}h\left(b\_{1}+b\_{2}\right)$, then find A when $h=8 cm, b\_{1}=3 cm, $and $b\_{2}=11 cm.$

 A= \_\_\_\_\_\_\_\_\_\_