

Name: \_\_\_\_\_

## Heatherwood Mathletes

Warm-up Exercises: Introductory and Intermediate Arithmetic  
September 30, 2004

### Introductory Problems

#### Addition and Subtraction

$$\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ - 12 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ - 29 \\ \hline \end{array}$$

#### Multiplication

$$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ \times 21 \\ \hline \end{array}$$

**Division (express fractions in simplest terms)**

$$4/2 =$$

$$\frac{20}{5} =$$

$$60 \div 10 =$$

$$16 \div 5 =$$

**Fractions (addition, subtraction, multiplication, division)**

$$\frac{1}{2} + \frac{1}{2} =$$

$$1\frac{1}{3} + \frac{1}{3} =$$

$$\frac{2}{3} + \frac{4}{5} =$$

$$\frac{2}{3} - \frac{1}{3} =$$

$$2\frac{3}{4} - 1\frac{1}{4} =$$

$$\frac{3}{4} - \frac{2}{3} =$$

$$\frac{1}{2} \times \frac{1}{2} =$$

$$\frac{3}{5} \times \frac{2}{3} =$$

$$1\frac{1}{2} \times \frac{1}{3} =$$

$$\frac{1/2}{1/2} =$$

$$\frac{1/2}{1/4} =$$

$$\frac{4/5}{2/3} =$$

**Exponents and Roots**

$$2^2 =$$

$$3^3 =$$

$$\sqrt{25} =$$