

**Math 119**  
**College Algebra**  
**Prerequisite Skills Test**

1. What is the value for each of the following:

a.  $\sqrt{1}$

b.  $2^5$

c.  $3^3$

d.  $\sqrt{0}$

e.  $\sqrt[3]{8}$

f.  $\sqrt{49}$

g.  $-3^2$

2. Combine like terms:  $3x - 2 - (x - 5)$

3. Evaluate  $-3x + 5$  when  $x = -2$

4. Evaluate:  $3 - 5 + 1 - 9 - 4 + 2$

5. Find the sum:  $-\frac{2}{3} + \frac{1}{2}$

6. What two whole numbers is  $\pi$  between?

7. Find the product:  $\frac{2}{3}(-3)$

8. If possible, find the quotient.

a.  $\frac{0}{6}$

b.  $\frac{6}{0}$

9. Which one of the following will not reduce:  $\frac{15}{24}$ ,  $\frac{4}{9}$ ,  $\frac{-26}{13}$ ,  $\frac{3}{42}$

10. Divide:  $\frac{10}{0.5}$