

Name \_\_\_\_\_

Date: \_\_\_\_\_

**College Algebra Review**

**Perform the operations indicated. Write your answer in simplest form.**

1)  $-\frac{3}{4} - \left(-\frac{5}{8}\right)$

2)  $-\frac{1}{3} \div \left(-\frac{4}{7}\right)$

3)  $\frac{-21}{0}$

**Add or subtract terms whenever possible.**

4)  $\sqrt{9} + \sqrt{405} + \sqrt{16} + \sqrt{20}$

5)  $\sqrt{3x} + 7\sqrt{75x} - 3\sqrt{27x}$

**Rationalize the denominator.**

6)  $\frac{13}{\sqrt{13}}$

7)  $\frac{10}{\sqrt{5} + \sqrt{15}}$

8)  $\frac{\sqrt{3}}{\sqrt{11} + 2}$