

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