Math1210 Daily Quiz 9 (Fractions/Rules of Exponents)
uid number: $\qquad$
Instructions: Please show all of your work as partial credit will be given where appropriate, and there may be no credit given for problems where there is no work shown. All answers should be completely simplified, unless otherwise stated. No calculators or electronics of any kind are allowed.

Simplify each expression.
(a) $\frac{4}{15}-\frac{7}{27}$
(b) $\frac{\frac{3}{5}+\frac{1}{15}}{4}$
(c) $\left(\frac{\frac{3}{5}+\frac{1}{15}}{4}\right)^{-1}$
(d) $\frac{\frac{1}{3}}{200}$
(e) $\frac{100}{\frac{3}{2}}$
(f) $(81)^{3 / 4}$
(g) $(-1)^{-1}$
(h) $\frac{3^{-1} \cdot 2^{3}}{3^{2} \cdot 2^{2}}$
(I) $x^{-1 / 2} x^{3} x$
(j) $\frac{2 x^{2}+3 x-5}{3 x-5}$

