The following problems represent the absolute minimum knowledge necessary to have a chance of successful completion of Math 238 (Business Calculus). If you are unable to answer these problems, you are strongly advised to take the course indicated for the material.

Minimum necessary knowledge from Intermediate Algebra or Accelerated Elementary/Intermediate Algebra (Math 125 or Math 134)

1. Find the slope-intercept equation of the line that has a slope of -5 and goes through the point $(-1,4)$
2. Solve the equation $x^{2}-6 x-27=0$
3. Subtract the rational expressions $\frac{3}{x+4}-\frac{1}{2 x(x+4)}$
4. Simplify the expression $\frac{x^{-5} y^{4}}{x^{-7} y^{-8}}$ using only positive exponents
5. Rewrite the expression $\sqrt[5]{x}$ using rational exponents
6. Solve the equation $5^{-2 t}=0.42$
7. Let $f(x)=\frac{x+4}{x-5}$. For what values of $x$ is $f(x)=0$ and for what values of $x$ is $f(x)$ undefined?
