Readiness Quiz

Show *all* your work algebraically for each and simplify. No credit is given without supporting work. There are *two* sides to this quiz.

1. [5] Simplify the following:

$$\frac{2}{3} \cdot \frac{4}{5} - 5^2 \qquad\qquad \frac{6x^2 - 6}{9x + 9}$$

2. [3] Use algebra to solve for q in
$$\frac{1}{q+1} - 1 = 5$$

3. [2] Find the slope of the line that contains the points $(3, 4)$ and $(7, 13)$.