Adding and Subtracting Rational Expressions - Key

In problems 1-4, perform the indicated operation and simplify

1. $\dfrac{7x+3}{x+5}$	2. 2
3. $\dfrac{1}{x-7}$	4. $\dfrac{x-2}{2x+3}$

In problems 5-11, add or subtract, as indicated, and simplify the result

5. $\dfrac{5}{9x}$	6. $\dfrac{-7x+17}{(x-3)(x-5)}$
7. $\dfrac{3x^2+25x-4}{(x-1)(x-7)(x+7)}$	8. $\dfrac{x^2-8x-4}{(x-3)(x-8)}$
9. $\dfrac{x+20}{x+5}$	10. $\dfrac{3}{2(x-3)}$
11. $\dfrac{3x^2-7x+12}{(x+1)(x-3)(x-1)}$	