Name_____Solving Equations Review 8-16-17 Hour 1 2 3 4 5 6 7

Solve each of the following equations GIVE EXACT ANSWER and DO NOT USE A CALCULATOR

Equation 1	Equation 2	Equation 3
$\dfrac{3}{2}\sqrt{5x+10}-6=5$	$\dfrac{4}{5}\log_3(2x-10)+4=7$	$\dfrac{8}{7}\left(5^{7x+14}\right)-6=11$
Exact Solution	Exact Solution	Exact Solution

Rational Expression Simplification Simplify each of the following expressions

Question 1	Question 2	Question 3
$\dfrac{1}{2}+\dfrac{1}{x}$	$\dfrac{1}{2}+\dfrac{1}{2x}$	$\dfrac{1}{2}+\dfrac{1}{x+2}$
Question 4	Question 5	Question 6
$\dfrac{1}{2-x}+\dfrac{1}{x-2}$	$\dfrac{1}{2x-4}+\dfrac{1}{x-2}$	$\dfrac{1}{x-3}+\dfrac{1}{x+4}$
Question 7	Question 8	Question 9
$\dfrac{1}{x-3}+\dfrac{1}{x^2+1x-12}$	$\dfrac{1}{x-3}+\dfrac{1}{x^2-9}$	$\dfrac{1}{2x-6}+\dfrac{1}{x^2-9}$