1.

2.

3.

4.

5.

6.

Name:Date:1.Solve the equation:
$$\frac{3}{2x-1} = \frac{1}{3x-5}$$
7.Solve: $\frac{2x}{2x+1} + \frac{1}{3x} = 1$ 2.Solve for x: $\frac{1}{2x-3} = \frac{5}{4x+1}$ 8.Solve for a: $\frac{3}{2a-1} + 2 = \frac{9}{2a-1}$ 3.Solve the equation: $\frac{1}{x-1} = \frac{2}{3}$ 9.The total resistance, R_T , for a parallel circuit with two bulbs, R_1 and R_2 , is given by the equation:4.Solve: $\frac{x+2}{x-1} + \frac{x+5}{x-3} = \frac{2x^2+4}{x^2-4x+3}$ 9.The total resistance if $R_1 = 7$ ohms and $R_2 = 3$ ohms.5.Solve: $\frac{2(x-7)}{x^2+3x-28} + \frac{x-2}{x-4} = \frac{x+3}{x+7}$ 10.The total resistance, R_T , for a parallel circuit with two bulbs, R_1 and R_3 , is given by the equation: $\frac{1}{R_1} = \frac{1}{n} + \frac{1}{R_2}$ Find the total resistance, R_T , for a parallel circuit with two bulbs, R_1 and R_3 , is given by the equation: $\frac{1}{R_1} = \frac{1}{n} + \frac{1}{R_2}$ Find the total resistance if $R_1 = 6$ ohms and $R_2 = 4$ ohms.6.Solve: $\frac{2}{x^2-1} + \frac{1}{1-x} = 0$

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Solving Rational Equations 12/01/2015

1. Answer: Objective:	2 A.REI.2
2. Answer: Objective:	$2\frac{2}{3}$ A.REI.2
3. Answer: Objective:	2 ¹ / ₂ A.REI.2
4. Answer: Objective:	5 A.REI.2
5. Answer: Objective:	2 A.REI.2
6. Answer: Objective:	Ø A.REI.2
7. Answer: Objective:	1 A.REI.2
8. Answer: Objective:	2 A.REI.2
9. Answer: Objective:	B A.REI.2
10. Answer: Objective:	C A.REI.2