

Name _____ Date _____

Quiz: Rational Equations

Solve the following:

1 $\frac{3}{z+5} = \frac{5}{z-7}$

2 $\frac{r+8}{3} = \frac{r-6}{2}$

3 $2y - \frac{8}{y} = -7$

4 $2 - \frac{3}{2s} = \frac{2s}{s+6}$

5 $b = \frac{5b+7}{3b+2}$

6 $\frac{b^2-5}{b+8} = \frac{11}{b+8}$

7 $\frac{a}{a+1} + \frac{4}{a+5} = \frac{a^2}{a^2+5a+6}$

8 $\frac{4x}{x^2-36} + \frac{3}{x+6} = \frac{8}{x-6}$

9 $\frac{5}{x+8} = \frac{4}{x-9}$

10 The sum of two positive integer is 45 and their ratio 7:8. Find the integers.

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%