

Name:

Date:

Period:

Solve the following Quadratic Equations. Remember to transform into standard form first.

1.  $\frac{3+y}{2y} = \frac{y-1}{y}$

2.  $x^2 = 225$

3.  $9x^2 + 9 = 25$

4.  $x^2 = -100$

5.  $\frac{x+5}{x+1} = \frac{x-1}{4}$

6.  $100x^2 + 26 = 10$

7.  $-25 = x^2$

8.  $0 = 81x^2 - 25$

9.  $49x^2 + 64 = 0$

10.  $\frac{k+4}{k+2} = \frac{3}{k}$

11.  $\frac{x}{x+3} = \frac{5}{x+7}$

12.  $3x^2 - 75 = 0$

13.  $\frac{y+3}{y} = \frac{y-1}{6}$

14.  $0 = 4x^2 - 16$

15.  $9x^2 + 100 = 0$

16.  $16x^2 + 10 = 131$

17.  $\frac{x-3}{x-2} = \frac{x+3}{2x}$

18.  $-75x^2 = -48$

19.  $5x^2 + 6x - 7 = 3x^2 + 6x - 5$

Solve and round your answers to the nearest hundredth.

20.  $3x^2 = 81$

21.  $0 = x^2 - 60$

22.  $100 - 5x^2 = 0$

23.  $4x^2 = 88$

24.  $x^2 - 29 = 0$

25.  $x^2 + 40 = 144$