Aldine 9: Algebra Homework #9	**Assigned**	**Due**
	A: 9//19 Fri	A: 9/23 Tues
Name: Period:	B: 9/22 Mon	B: 9/24 Wed

Solve each equation. Write *No Solution* or *Infinitely Many* if needed.

1) $4x - 3 = 2x + 5$

2) $3x + 2 - x = 2x + 1$

3) $7x + 4 = 11x + 3 - 4x + 1$
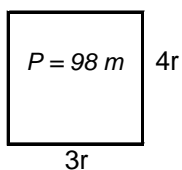
4) $4 (t + 5) + 2t = 38$

5) $6 (y - 8) = 24$

6) $d - 11 = - 5$

7) Simplify $\dfrac{4a - b^2}{a - b}$ when a = 6 and b = 4

8) If you double the amount of money Mark has, and then increase that number by \$3, you get the amount of money Elizabeth has in her purse. If Mark has \$12.75, then how much money does Elizabeth have in her purse?

9) What is the length of the shortest side?

P = 98 m   4r

3r

10) What is the perimeter of the shape?

y + 1

x

3x

y + 1

2x

2y + 2