

| Name | _ * | |
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| | 41. | |

Date:____

Class: 4th (D-E)

Math Drop Quiz

Solve the below quadratic equations:

1-
$$(2x+8)(x+2)+(x+1)(-x-4)=0$$

 $2(x+4)(x+2)-(x+1)(x+4)=0$
 $(x+4)(2x+4-x-1)=0$
 $(x+4)(2x+4-x-1)=0$
 $(x+4)(x+3)=0$
 $(x+4)(x+3)=0$
 $(x+4)(x+3)=0$
 $3-5x^2+2x-2=0$
 $\Delta = 2^2-4(5)(-2)$
 $= 4+40=44$
 $\Delta = -2\pm\sqrt{44}$
 $\Delta = -1\pm\sqrt{11}$
 $\Delta = -$

2 (22+3) +2(22+3)=0

(2x+3)(x+3)=0 = [x=-3/2] or x=-2

$$2-9x^{2}-12x=-4$$

$$9x^{2}-12x+4=0$$

$$(3x-2)^{2}=0$$

$$3x=2$$

$$x=2/3$$

$$4-10x^{2}-2=-12$$

$$10x^{2}=-12+2$$

$$10x^{2}=-10$$

$$2x^{2}=-1$$

$$1m = possible$$

6-
$$(x+1)^2 + 1 = 5$$

 $(x+1)^2 = 5 - 1$
 $(x+1)^2 = 4$
 $x+1 = \pm \sqrt{4}$
 $x+1 = \pm 2$
 $x+1 = \pm 2$
 $x+1 = \pm 2$
 $x+1 = \pm 2$