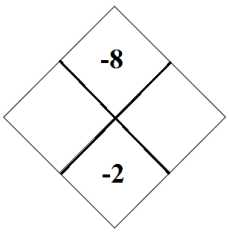
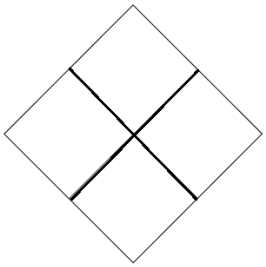
Name:_____Date:_____Score:_____

Self-Reflections (SR) - #5 UNIT 5- Quadratic factoring Algebra

	Learning Target 5.1 – Factoring and Solving by Factoring		
1.	Factor the expression: $x^2 - 2x - 8$  	**2.**	Which value of b would make $x^2 + bx - 24$ NOT factorable? **A.** 2 **B.** 5 **C.** 10 **D.** 12
3.	Factor the expression: $6x^2 - 1x - 5$ 	**4.**	When the expressions $x^2 - 25$ and $x^2 - 2x + 15$ are factored, what is the common factor to both of them?
5.	What is the greatest common factor (GCF) of $4n^2 + 24n$?	**6.**	**Factor** $25x^2 - 64$
7.	**Factor** the following: $6x^2 - 18x = 0$	**8.**	Solve the following by **Factoring**: $x^2 + 5x = -9x - 24$

Name:_____Date:_____Score:_____

Self-Reflections (SR) - #5 UNIT 5- Quadratic factoring Algebra

	Learning Target 5.2 – Solve by Square Root, Complete the Square, or Quadratic Formula		
1.	**Use <u>Solve by Square Roots</u> for the following:** Solve the following: $x^2 - 16 = 0$	**2.**	**Use <u>Solve by Square Roots</u> for the following:** Solve the following: $2(x+3)^2 + 6 = 18$
3.	Solve the following by **completing the square**: $x^2 + 2x - 48 = -6$	**4.**	Solve the following by **completing the square**: $x^2 + 10x - 1 = 0$
5.	**Use <u>Solve by Quadratic Formula</u> for the following:** Use the **discriminant** to determine the number of real solutions for $-2x^2 + 2x - 6 = 0$?	**6.**	**Use <u>Solve by Quadratic Formula</u> for the following:** Solve the following by **Quadratic formula**: $4x^2 + 10x - 24 = 0$
7.	**Solve the following using any method** $x^2 - 6x + 11 = 0$	**8.**	**Solve the following using any method** $3x^2 - 20x - 7 = 0$