## **6-4 Quadratic Formula and Discriminant Value**

Name:	Time> Start: Finish: Total Time =
Tell how many solutions of	exist given the discriminant value $(b^2 - 4ac)$ .
1. discriminant = 8	2. discriminant = -8 3. discriminant = 11
4. discriminant = 0	5. discriminant = -1 6. discriminant = 1
7. discriminant = 1	9 8. discriminant = 0 9. discriminant = -15
Use for 10-15, $A = crosses x$ -	axis at 2 points $B = crosses x$ -axis at 1 point $C = doesn't cross x$ -axis
10. The discrimin	nant value is -56 11. The discriminant value is 0.
12. The discrimin	nant value is 1 13. The discriminant value is -9.
14. The discrimin	nant value is 18 15. The discriminant value is 0.
	to solve these equations. Make sure to set equation equal to 0. te piece of paper and write your answers in the blank. $x^2 + 8x + 2 = 0$
17.	$2x^2 + 8 = -8x$
18.	$-4x^2 + 5x = -2$
19.	$x^2 + 3x = -9$
20.	$x^2 + 6x - 55 = 0$