

Name \_\_\_\_\_

Class Period \_\_\_\_\_

Teacher \_\_\_\_\_

Math Skills Week 4 Assignment

Evaluate the following expressions for the given variable. (Substitute the number for the letter and “solve”). Complete what you can. Try your best. Please show your work/steps ☺

1)  $\sqrt{b+5}$  if  $b = 11$

2)  $\sqrt{b-1}$  if  $b = 50$

3)  $\sqrt{b^2-11}$  if  $b = 6$

4)  $\sqrt{b^2+15}$  if  $b = 7$

5)  $\sqrt{b^2-4c}$  if  $b = 4$  and  $c = 3$

6)  $\sqrt{b^2-8c}$  if  $b = 7$  and  $c = -4$

7)  $\sqrt{b^2-4c}$  if  $b = 12$  and  $c = 35$

8)  $\sqrt{b^2-4c}$  if  $b = 4$  and  $c = -12$

9)  $\sqrt{b^2 - 4ac}$  if  $a=1$ ,  $b=8$ , and  $c=12$

10)  $\sqrt{b^2 - 4ac}$  if  $a=1$ ,  $b=10$  and  $c=9$

11)  $\sqrt{b^2 - 4ac}$  if  $a=2$ ,  $b=13$  and  $c=15$

12)  $\sqrt{b^2 - 4ac}$  if  $a=4$ ,  $b=7$  and  $c=-2$

13)  $\sqrt{b^2 - 4ac}$  if  $x^2 + 8x + 15 = 0$  (identify the a, b, and c)

14)  $\sqrt{b^2 - 4ac}$  if  $3x^2 - 10x - 8 = 0$