Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Finding the Discriminant.

Find the discriminant of each quadratic equation. Must show work to receive full credit.

1) $x^{2}-12x+36=0$ (2) $5x^{2}-9=0$ (3) $-2x^{2}+6x+15=0$

4) -6$x^{2}+8x+21=0$ (5) $x^{2}+15x+26=0$ (6) $4x^{2}+x+1=0$

Extra Credit.

Solve the following equations using the Quadratic Formula. Must show all work to receive E.C.

7) $x^{2}-17x-60=0$ (8) $6x^{2}-20=0$ (9) $2x^{2}+5x+11=0$