

Directions: Solve each quadratic equation using the quadratic formula. Match the problem number to the letter and fill in the puzzle below.

|                |   |   |                    |
|----------------|---|---|--------------------|
| $x^2+4x+1=0$   | 1 | B | $-6 \pm 4\sqrt{2}$ |
| $x^2+12x+4=0$  | 2 | A | $-2 \pm \sqrt{3}$  |
| $2x^2-3x+1=0$  | 3 | Y | $1/3, -2$          |
| $x^2-10x+21=0$ | 4 | I | $1, 1/2$           |
| $x^2-8x+14=0$  | 5 | L | $3, 7$             |
| $2x^2+x-15=0$  | 6 | T | $5/2, -3$          |
| $3x^2+5x-2=0$  | 7 | I | $4 \pm \sqrt{2}$   |

We all have \_ \_ \_ \_ \_ .  
 1 2 3 4 5 6 7

The difference is how we use it.