| Quadratic Formula |  | Discriminant: | Example: | $\begin{aligned} & x^{2}+10 x+25=0 \\ & \text { Solution(s): } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| How and why does the discriminant work? |  | Means: |  | Graph: |
| Example: <br> Discriminant: | $\begin{aligned} & 6 x^{2}+x-15=0 \\ & \text { Solution(s): } \end{aligned}$ | Discriminant: | Example: | $\begin{aligned} & x^{2}+2 x+5=0 \\ & \text { Solution(s): } \end{aligned}$ |
| Means: | Graph: | Means: |  | Graph: |

