**Shifted Form of a Parabola**

**A.K.A**

**Vertex Form**

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| **Vertex Form** | **Examples** |
| $$y=a\left(x-h\right)^{2}+k$$ | $$y=2\left(x-3\right)^{2}+4$$ |
| *a* = | $$y=\left(x+2\right)^{2}+6$$ |
| *h*  | $$y=-3\left(x-9\right)^{2}-3$$ |
| *k* | $$y=-\left(x-1\right)^{2}+5$$ |
| (*h*, *k*) | $$y=x^{2}-2$$ |