|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Formula** | $y$**-axis intercept** | $x$**-axis intercept** | **Completing the Square** | **Sketch** |
| $$y=x^{2}+4x+3$$ |  |  |  |  |
| $$y=x^{2}-36$$ |  |  |  |  |
| $$y=x^{2}+3x-10$$ |   |  |  |  |
| $$y=-x^{2}+4x+12$$ |  |  |  |  |
| $$y=-x^{2}+6x-9$$ |  |  |  |  |
| $$y=2x^{2}-6x+3$$ |  |  |  |  |
| $$y=x^{2}+2x+5$$ |  |  |  |  |
| $$y=2x^{2}-5x$$ |  |  |  |  |
| $$y=x^{2}+5x+2$$ |  |  |  |  |