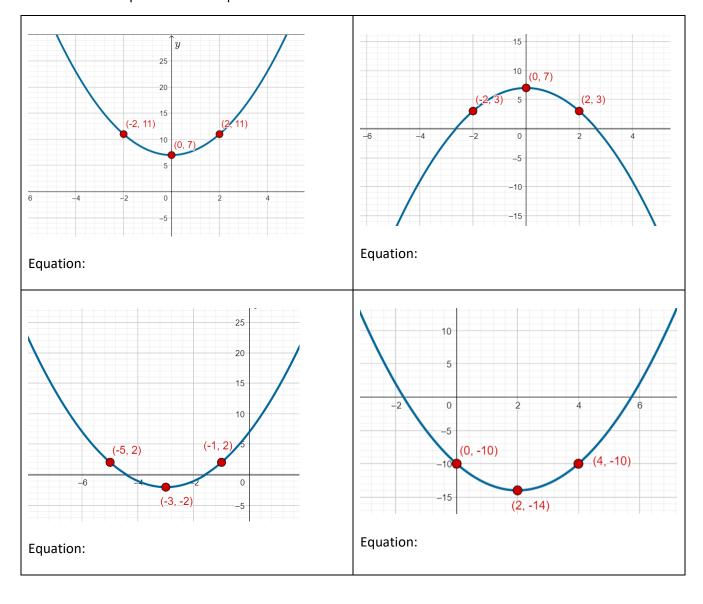
## Quadratic Functions Identify the parabola

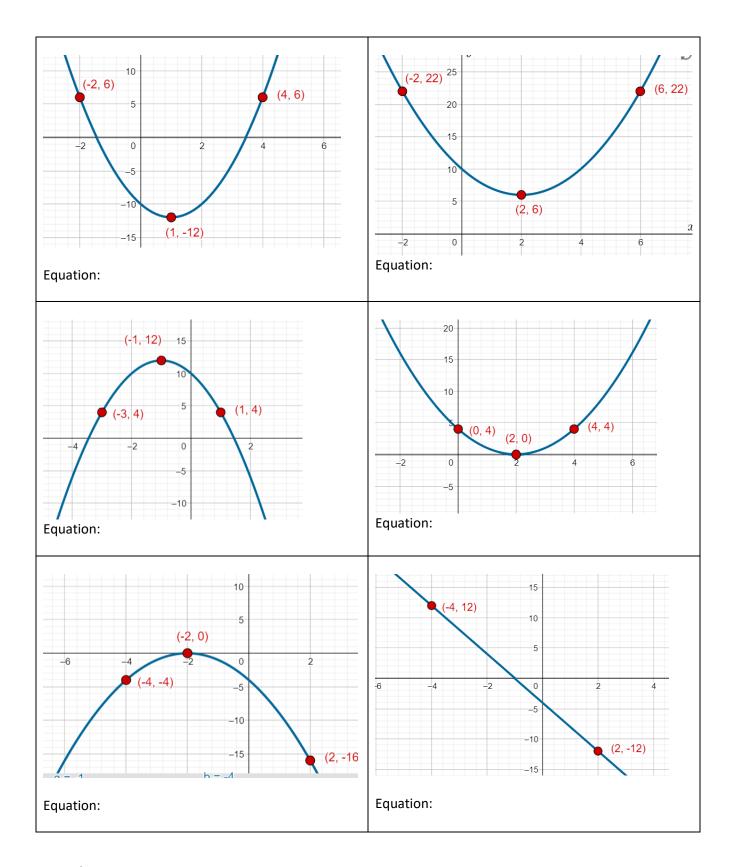
A quadratic function may be expressed in general as

$$f(x) = ax^2 + bx + c$$
, where  $a \neq 0$ 

Use the applet on <a href="https://tentotwelvemath.com/grade-11/grade-11-precalculus/3-quadratic-functions-and-equations/introduction-to-quadratic-functions/">https://tentotwelvemath.com/grade-11/grade-11-precalculus/3-quadratic-functions-and-equations/introduction-to-quadratic-functions/</a> to create the following parabolas.

Write down the equation for each parabola.





## Generalisations:

What impact do the parameters a, b and c have on the position and shape of the parabola?