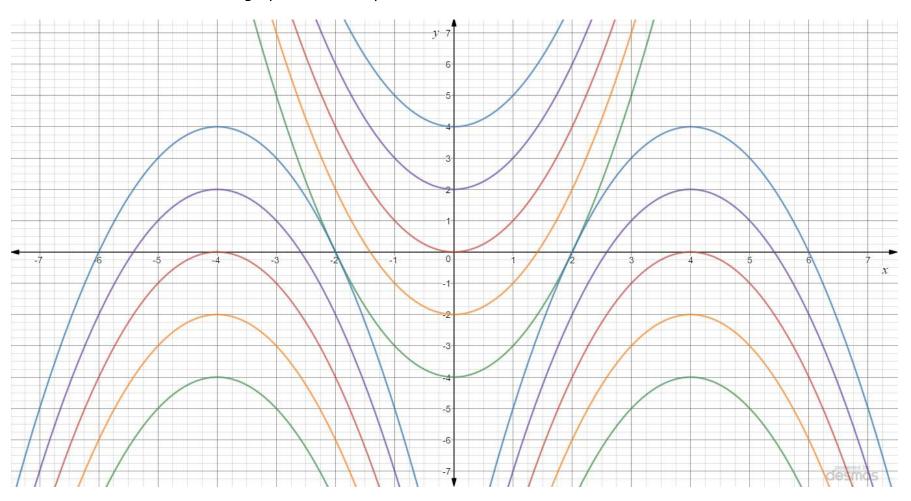
## nrich

## **Parabolic Patterns**

The graphs of fifteen parabolas are sketched on the axes below.



One of them has the equation  $y = x^2$ , and another is  $y = -(x - 4)^2$ . Can you find the equations of the other parabolas?