ALGEBRA 2 · HOMEWORK

Write the Equation of a Parabola in Factored Form

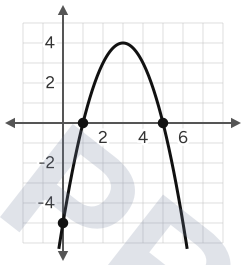
SCORE / 25

01 Part A · Practice

Use the zeros p and q to write $y = a(x - p)(x - q)$, then substitute one more point to find a.

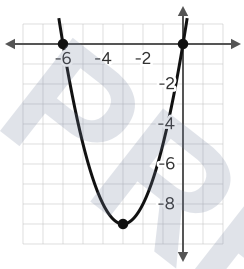
1 ●○○ Write the quadratic function with zeros −6 and −1 whose graph passes through (5, −22).

2 ●○○ Write the parabola in factored form. It passes through (0, −5).



3 ●○○ A parabola has zeros 4 and 6 and its vertex has y-value 5. Write its equation in factored form.

4 ●○○ Write the parabola in factored form. It passes through (−3, −9).



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Preview - the full worksheet and its answer key are at primeworksheet.com