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QUADRATIC FUNCTION TEST

Extending Expectations

/15

[3]

1. Identify which of the following relations are quadratic function. If the relation is not quadratic, identify what type of a relation it is.

$y = x^2 + x - 4x^3 + 7$	$y = x^2 + x - 3$	y = 3x - 2

[6]

2. Write the equation of the parabola with vertex (-2, 3) that passes through point (-4,-5). Describe all transformations.

[4] 3. Find the equation of the parabola, with axis of symmetry x = -5, which passes through points (-6,8) and (2,-10).

4. What is true about every quadratic function?

[2]