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FUNCTION $f(x) = a(x + m)^2 + n$, ITS GRAPH AND PROPERTIES OF COEFFICIENTS

MATCHING GAME

The goal of the puzzle is to make correct pairs of questions and answers with a minimal amount of incorrect attempts.

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Pythagoras, philosopher and mathematician.

Every quadratic function can be written in the standard form $f(x) = a(x + m)^2 + n$, with coefficients (real numbers) a, m and n, where a is not equal to zero. Match each graph with the right properties of the coefficients of the corresponding quadratic function.

Graphs:

1

3

5

2

4

6

Properties of the Coefficients:

A

C

E

B

D

F