

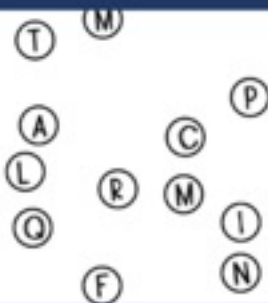
REWRITING QUADRATICS IN VERTEX FORM – COMPLETING THE SQUARE

Directions: Rewrite the quadratic equation in vertex form. Draw a line from the dot next to the problem to the answer in the grid below to answer the riddle.

What do

- $f(x) = x^2 + 6x + 5$
- $f(x) = x^2 - 8x + 20$
- $f(x) = x^2 - 2x + 4$
- $f(x) = x^2 + 10x + 17$
- $f(x) = x^2 + 4x - 1$
- $f(x) = x^2 - 20x + 82$

Connect the Dots Riddle



- $f(x) = (x + 3)^2 - 4$
- $f(x) = (x + 4)^2 + 2$
- $f(x) = (x + 5)^2 - 1$
- $f(x) = (x + 6)^2 - 11$

