

- Show that $h(x) = x^3 - x$ is an odd function. What kind of symmetry would you expect its graph to display?

$$h(-x) = (-x)^3 - (-x)$$

$$= (-1)^3 x^3 + x$$

$$= -x^3 + x = -h(x)$$

THE GRAPH IS SYMMETRIC ABOUT
THE ORIGIN.