

Name:

Date:

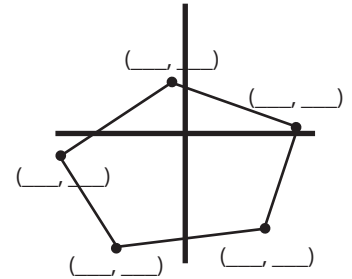
1. Estimate the coordinates of the vertices of the polygon at right.

2. State the domain of the following functions.

a) $a(x) = 4x^3 - x + 2$

b) $b(x) = \sqrt{3x - 8}$

c) $c(x) = \frac{x-6}{x+10}$



3. One point on the graph of $m(x) = -x^2 + 4x + 2$ is (2, 6).

a) Using function notation, find at least two points on each side of $x = 2$.

b) Use these points to sketch m .

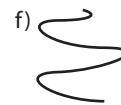
4. State whether or not the following relations are functions.

a) $y = x$'s youngest sister

b) $y =$ the brand of car owned by x

c) $y =$ the flavor of an x -colored plain M&M

d) $y = 5x^3 - 1$



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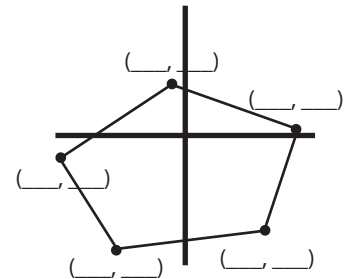
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