

Evaluating Functions PACKET

Name:

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1) Given $f(x)$ graphed below, evaluate the following:

- a) $f(0) = 3$
 b) $f(3) = 12$
 c) $f(-2) = 8$

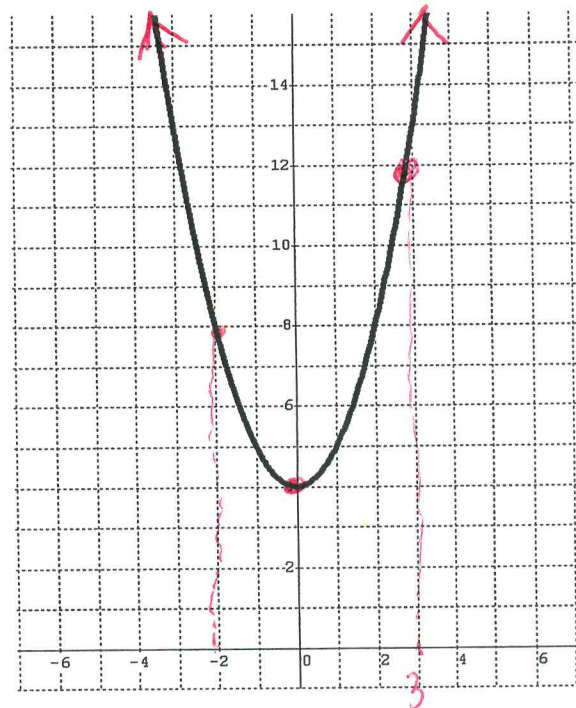
d) Why is $f(x)$ a function?

$f(x)$ is a function because it passes the vertical line test

e) Write the domain and range of $f(x)$.

Domain = $(-\infty, +\infty)$

Range = $[4, +\infty)$



2) Given $H(x)$ graphed below, evaluate the following:

- a) $H(0) = 3$
 b) $H(-3) = 0$
 c) Approximate $H(2) = 2.3$

d) Why is $H(x)$ a function?

$H(x)$ is a function because it passes the vertical line test.

e) Write the domain and range of $H(x)$.

Domain = $[-3, 3]$

Range = $[0, 3]$

