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Nov 28-10:46 AM



Nov 28-10:02 AM

Example 1(page 75):
Plot the points:
$A(2,4), B(4,-2)$,
$C(-3,0)$, and $D(0,-3)$.




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## Example 3 (page 75):

The formula $y=-0.05 x^{2}+4.2 x-26$ models the percentage of coffee drinkers, $y$, who are $x$ years old who
become irritable if they do not have coffee at their regular time.
a) Express the equation in function notation.

$$
f(x)=-0.05 x^{2}+4.2 x-26
$$

b) Find and interpret $f(20)$

$$
\begin{aligned}
& f(20)=-0.05(20)^{2}+4.2(20)-26 \\
&=-0.05(400)+84-26 \\
&=-20+58 \\
& f(20)=38
\end{aligned}
$$

Example 4 (page 75): Use the vertical line test to identify graphs
in which y

is a function of $x$.

c)


No

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