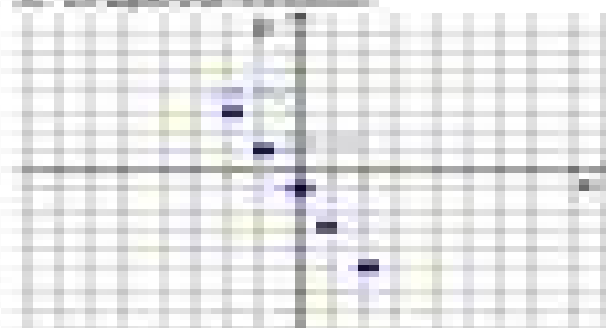


What's My Function?

Consider the questions about the given functions.

1. A function consists only of the four points $(-2, 4)$, $(-1, 4)$, $(0, -2)$, and $(1, 4)$.

A. Graph the function.



B. Is this function continuous at all points?

Answer:

C. Is this function increasing or decreasing?

Answer:

D. Identify the function's domain and range.

Domain: $x \in \{-2, -1, 0, 1\}$ **Range:** $y \in \{-2, 4\}$

E. What equation relates the x - and y -values of the function?

Equation: $y = 4$

F. Describe the domain of the representation equation in terms of the function itself.

Domain: $\{x \in \mathbb{R} \mid x \in \{-2, -1, 0, 1\}\}$

2. A phone company charges \$20 per month to use their services. Additionally, for every minute over 100 minutes per month the bill adds

A. What equation relates the number of minutes x with the charge y with this phone company?

Equation: $y = 20 + 0.2x$

B. Is this function increasing or decreasing?

Answer:

C. What are the domain and range of this function?

Domain:

D. What are the domain and range of the problem situation?

Domain: $x \in \mathbb{R}$ **Range:** $y \in \mathbb{R}$

E. What are the domain and range of the problem situation after restricting the representation equation?

Factoring Algebra 2 Hs Mathematics Unit Lesson 01

Marcel A. Müller



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