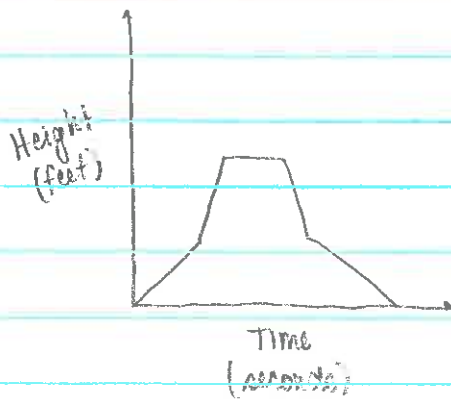


Algebra 1 (Module 3 Review)

1.



2. Independent: number of pigs

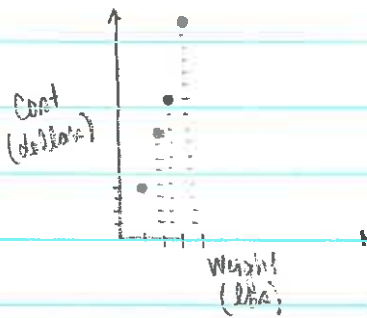
Dependent: pounds of food

Domain: $\{1, 2, 3\}$

Range: $\{55, 110, 165\}$

It is a function

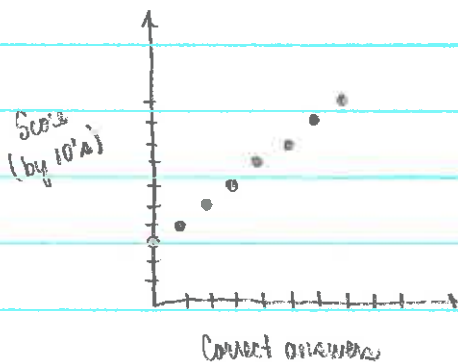
3. $f(x) = 4x$



1. The hiker walked downhill quickly, then slowly. The hiker rested, then went back uphill at a constant rate.

2. It is a function because it does pass the vertical line test.

3. $f(x) = 10x + 30$



4. A set of ordered pairs in which each term in the domain is paired with exactly one term in the range.

2. TRUE

FALSE

TRUE

3. Yes, it is a function. Each age goes to exactly one height.

$$4. f(x) = 3.5x + 25 ; f(8) = 3.5(8) + 25$$
$$= \boxed{53}$$