

## Values of the Function

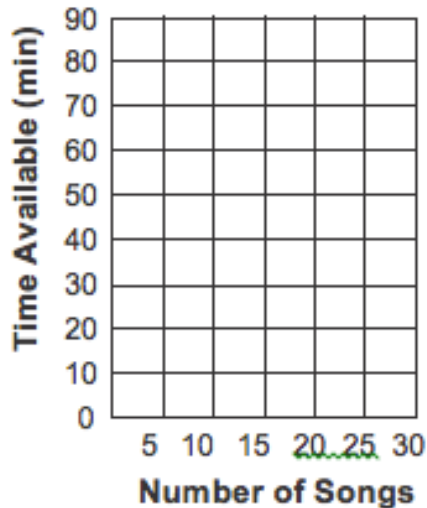
$n$	$C$

Circle the zero of the function in the table  
 $f$

## Analyze the Function

1. What is the zero of this function?
2. Describe what this value means in this context.

## Graph of the Function

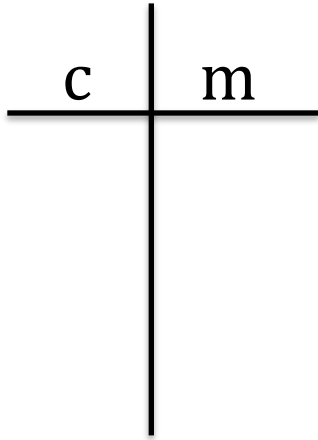


Circle the zero of the function on the graph.

## Description of the Function

Jessica wants to record her favorite songs to one CD. The function  $C = 80 - 3.22n$  represents the recording time  $C$  available after  $n$  songs are recorded.

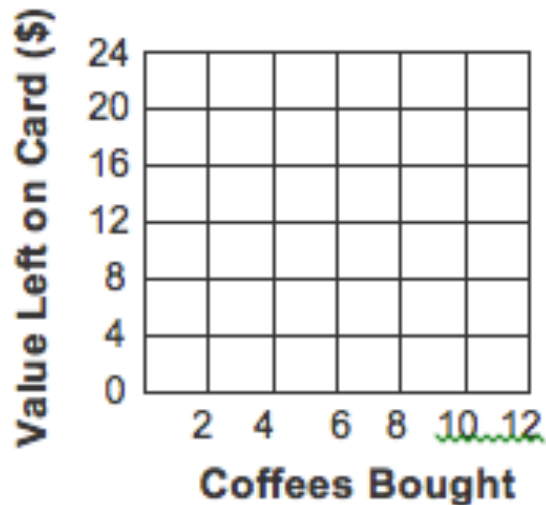
## Values of the Function



## Analyze the Function

1. Find the zero of this function
2. Describe what this value means in this context

## Graph of the Function



## Description of the Function

Enrique uses a gift card to buy coffee at a coffee shop. The initial value of the gift card is \$20. The function  $m = 20 - 2.75c$  represents the amount of money still left on the gift card  $m$  after purchasing  $c$  cups of coffee.

## Values of the Function

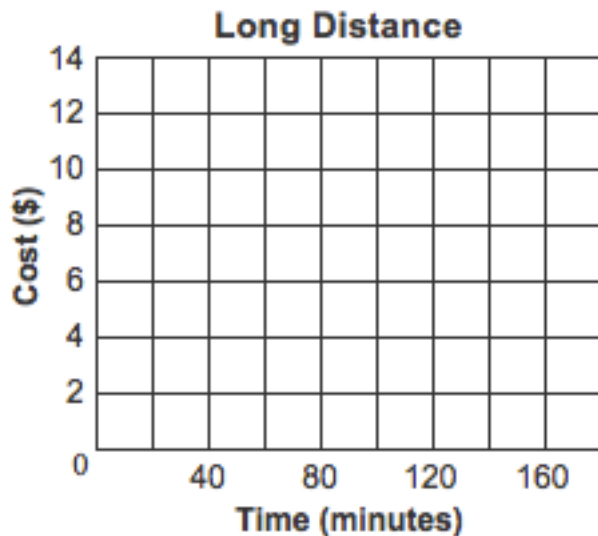
Make a table of values for the function described below.



## Analyze the Function

- Find the  $y$ -intercept of the graph of the function. What does it mean in this situation?
- if you talk 140 minutes what is the monthly cost?

## Graph of the Function



## Description of the Function

**COMMUNICATIONS** A telephone company charges \$4.95 per month for long distance calls plus \$0.05 per minute. The monthly cost  $c$  of long distance calls can be described by the equation  $c = 0.05m + 4.95$ , where  $m$  is the number of minutes.

## Values of the Function

Create a table of values that represents the function described below. What is the zero of the function?

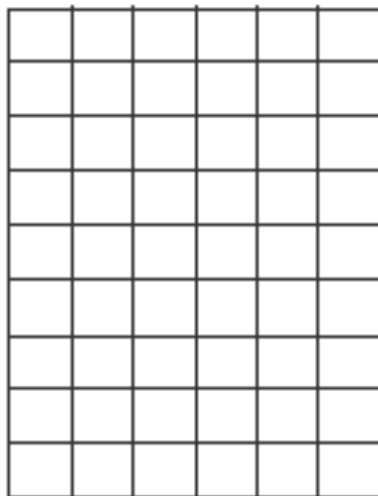


## Analyze the Function

1. Write a function that fits the description below.
2. Find the zero of the function algebraically

## Graph of the Function

Graph the function described to the right. Find the zero of the function on the graph.



## Description of the Function

*The salt reserve for a city's road crew was at 17 tons prior to the beginning of winter. Each time the roads are treated, the reserves are depleted by 3.25 tons of salt.*