

Determine Domain and Range of the Graph of a Situation ne depudut Vartalde, $t$ inderpedent Number of Fishing Boats a) Identify the dependent vanable variable and the independent variable. Hof Boats deprods on timef dan.
b) Why are the points on the graph not connected? Disectr Data
you werd whok numbers.
c) Determine the domain and range of the graph.

$$
\begin{aligned}
& D\{9,10,11,12,13,14,15,16\} \\
& R\{6,8,10,11,15,25\}
\end{aligned}
$$ Anchored in an Inlet

Jan 30-4:12 PM

Practice
YOU TRY!
Determine Domain and Range of the Graph of a Situation
a) Identify the dependent variable and the independent variable. $h$ - Depudint
$t \rightarrow$ Indapudatt b) Why are the points on the graph connected? Cantrmeas Data trone canbrin minnubles or c) Determine the domain and range of the graph.

$$
\begin{aligned}
& R\{9 \leq t \leq 16\} \\
& R\{0.9 \leq h \leq 1.5\}
\end{aligned}
$$

## Practice

Determining the Domain and Range Values from the Graph of a Function
Here is a graph of the function $f(x)=-3 x+7$
a) Determine the range value when the domain value is -2 .

$$
f(-2)=13
$$

b) Determine the domain value when the range value is 4 .


$$
f(x)=4 \quad \text { Range valus is } 4
$$

$(1,4)$

```
a) Domain value is \(-2 \therefore f(-2)\)
    start af \(x=-2\) and find where at
    intersects the \(y\).
                                velure
So when Domain is is -2
    the Range ins 13
        ordered Pair is \((-2,13)\)
b) Determine the value of \(x\) when \(f(x)=4\)
    Since \(f(x)=y\), begin at \(y=4\)
```


## Practice

YOU TRY!
Determining the Domain and Range Values from the Graph of a Function
Here is a graph of the function $g(x)=4 x-3$
a) Determine the range value when the domain value is 3 .

## When Domain velure is 3 <br> Range value is 9

8. $g(3)=9$
b) Determine the domain value when the range value is -7 . (x) $=-7$

Deturnan value of $x$ when $y=-7$


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