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Exercise 2

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Exercise 2

6/6 points (graded)

Please help the burglar out! For each of the following greedy metrics, what should be the burglar's first two choices of items? Here's a table of the items from the slides:

item	\$	kg	\$/kg
clock	175	10	17.5
picture	90	9	10
radio	20	4	5
vase	50	2	25
book	10	1	10
computer	200	20	10

For this problem, assume that the maximum weight the burglar can carry is 20.

1. Metric: max value

The burglar should first pick:

computer

✓

and should next pick:

no more space

✓

2. Metric: min weight

The burglar should first pick:

book

✓

and should next pick:

vase

✓

3. Metric: max value/weight ratio

The burglar should first pick:

vase

✓

and should next pick:

clock

✓

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Exercise 2

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 What will be a third pick in case-3 ie., max value/weight ratio?
Hey everyone, My thoughts are depending on the order of the input, so I'm thinking burglar will pick "picture". Let me know your tho...

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 Calculator



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