

Check for Mistakes in this Word Problem: turkey-price

Directions: The grocery store charges \$2/pound for a turkey for the first 5 pounds, and then \$1/pound for every pound after that. Write a function that takes in the weight of a turkey and returns how much it will cost.

Contract and Purpose Statement

Every contract has three parts...

<code>; turkey-price :</code>	<code>weight</code>	\rightarrow	<code>number</code>
<i>function name</i>	<i>domain</i>		<i>range</i>

```
; Return the price of the turkey.
```

Examples

Write some examples, then circle and label what changes...

(EXAMPLE(turkey-price	3) (* 2 3)
<i>function name</i>	<i>input(s)</i>	<i>what the function produces</i>

(EXAMPLE(turkey-price	6) (+ 10 (* 1 (- 6 5)))
function name	input(s)	what the function produces

Definition

Write the definition, given variable names to all your input values...

```
(define( turkey-price weight )
```

function name
variables

(cond

$$\frac{((< \text{weight } 5) \quad \quad \quad (* \text{ 2 weight}) \quad \quad \quad)}{\quad \quad \quad}$$

```
(else (+ 10 (* 1 (- weight 5))))]
```