

Check for Mistakes in this Word Problem: calc-pencils

Directions: All students are given five (5) pencils at the beginning of the school year. Write a function called calc_pencils that takes the number of students in the school and calculates the number of pencils needed for that school.

Contract and Purpose Statement

Every contract has three parts...

<code>calc-pencils</code>	<code>number</code>	\rightarrow	<code>number</code>
<i>function name</i>	<i>domain</i>		<i>range</i>

```
; Takes a number of students and gives the number of pencils
```

Examples

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

(EXAMPLE(calc-pencils	100) (* 100 5))
	<i>function name</i>	<i>input(s)</i>	<i>what the function produces</i>	

(EXAMPLE(calc-pencils	40) (* 40 6))
<i>function name</i>	<i>input(s)</i>	<i>what the function produces</i>	

Definition

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

```
(define (calculate-pencil p)
```

(* p 5)

what the function does with these variables