# Check for Mistakes in this Word Problem: offscreen?

***Directions:*** *Write a function, offscreen?, which returns true if Sam the butterfly's x-coordinate is less than -50 or greater than 690.*

## Contract and Purpose Statement

*Every contract has three parts...*

```
;  offscreen?  :  number  →  boolean
```

*function name* — *domain* — *range*

```
; Given an x-coordinate, returns true if the coordinate is less than -50
```

*what does the function do?*

## Examples

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

```
(EXAMPLE( offscreen?  60  ) (true) )
```

*function name* — *input(s)* — *what the function produces*

```
(EXAMPLE( offscreen?  800  ) (false) )
```

*function name* — *input(s)* — *what the function produces*

## Definition

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

```
(define( off-screen  x-coord )
        (and (< x-coord -50) (> x-coord 690)) )
```

*function name* — *variables*

*what the function does with those variables*