## Word Problem: beach-day?

**Directions**: Use the Design Recipe to write a function <code>beach-day?</code>, which takes in a temperature in Fahrenheit and a forecast and determines if it is beach weather: hot and sunny

| Contract and Purpose Statement |                             |                         |                  |                            |       |   |
|--------------------------------|-----------------------------|-------------------------|------------------|----------------------------|-------|---|
| Every contract ha              | s three parts               |                         |                  |                            |       |   |
| ;                              | :                           |                         |                  | ->                         |       |   |
| function name                  |                             | domain                  |                  | _                          | range | - |
| ;                              |                             |                         |                  |                            |       |   |
|                                |                             | what does               | the function do? |                            |       |   |
| Examples                       |                             |                         |                  |                            |       |   |
| Write some examp               | ples, then circle and label | what changes            |                  |                            |       |   |
| (EXAMPLE (                     |                             |                         | )                |                            |       | ) |
| <del>-</del>                   | function name               | input(s)                | _                | what the function produces |       | _ |
| (EXAMPLE (                     |                             |                         | )                |                            |       | ) |
| _                              | function name               | input(s)                |                  | what the function produces |       | _ |
| (EXAMPLE (                     |                             |                         | )                |                            |       | ) |
|                                | function name               | input(s)                | _                | what the function produces |       |   |
| Definition                     |                             |                         |                  |                            |       |   |
| Write the definition           | on, giving variable names t | o all your input values |                  |                            |       |   |
| (define (                      |                             | )                       |                  |                            |       |   |
|                                | function name               | variable(s)             |                  |                            |       |   |
|                                |                             |                         |                  |                            |       | ) |

what the function does with those variable(s)