

# Word Problem: collide?

**Directions :** Use the Design Recipe to write a function `collide?` , which takes in the coordinates of two objects and checks if they are close enough to collide.

## Contract and Purpose Statement

Every contract has three parts...

;

:

->

*function name*

*domain*

*range*

;

*what does the function do?*

## Examples

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

( EXAMPLE (

)

*function name*

*input(s)*

*what the function produces*

( EXAMPLE (

)

*function name*

*input(s)*

*what the function produces*

## Definition

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

( define (

)

*function name*

*variable(s)*

*what the function does with those variable(s)*