# Questions 1-3

## Question 1

1 point possible (graded)

Suppose the following constants have aready been defined based on the domain analysis of the countdown program:

```
(define WIDTH 100)
(define HEIGHT WIDTH)
(define TEXT-SIZE 20)
(define CTR-Y (/ HEIGHT 2))
```

Which of the following should you add to complete the constants section so that it matches the domain analysis? (choose all that apply)

- ☑ `(define TEXT-COLOUR "black")` ✔
- ☐ `(define MTS (empty-scene 100 100))`
- ☑ `(define MTS (empty-scene WIDTH HEIGHT))` ✔
- ☑ `(define CTR-X (/ WIDTH 2))` ✔
- ☐ `(define CTR-X 50)`

**Explanation**

Remember to always use your constants instead of their values so that you have a single point of control.

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ℹ Answers are displayed within the problem

## Question 2

1 point possible (graded)

Choose the best types comment for the data definition that will be used as the world state for the countdown program.

- ○ `;; Countdown is Image`
- ○ `;; WS is Natural`
- ○ `;; WS is Countdown`
- ◉ `;; Countdown is Natural` ✔
- ○ `;; Countdown is String`

**Explanation**

Our changing information in the countdown program is the number displayed, which is always a natural number.

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## Question 3

1 point possible (graded)
Why is it useful to fill in the ... in the stubs of the wish-list entries right away? Choose the best answer.

- ⚪ So that we don't forget what type the function is producing

- 🔴 So that we can run the program before it is complete ✔

- ⚪ So that we remember to come back and finish it later

**Explanation**
While the other two options are both good reasons why we should make a wish-list entry, the question was asking specifically about filling in the stub.

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