## Q1

Complete the function sumTwoValue that takes two values and returns the sum of the two values.

```
function sumTwoValue() {}
console.log(sumTwoValue(1, 2));
```

## Q2

Complete the function findGradient that takes two points on a line and returns the gradient of the line.

```
function findGradient() {}
console.log(findGradient(1, 1, 2, 2));
```

## Q3

Determine whether a person can ride the roller coaster with given conditions.

```
function canSitRollercoaster(height, age, withParent,
hasHeartCondition) {}
console.log(canSitRollercoaster(130, 15, true, false));
```

## Q5

Determine if the circular poster can cover up the rectangular poster completely.

```
function canCoverPoster(R, W, H) {}
console.log(canCoverPoster(2.5, 3, 4));
```

## GPA Function

This function calculates the GPA needed for the remaining credits to be fulfilled to achieve the target GPA.

```
function toGetTargetGPA(gpa, creditsFulfilled, totalCredits,
targetGPA) {}
function roundToNearestGrade(gradePoint) {
    return Math.ceil(gradePoint * 2) / 2;
}
console.log(toGetTargetGPA(0, 0, 120, 3));
```

## Q6

Simulate the card game 'in between'. Decide whether to place a bet based on probability.

```
function inbetween() {}
const oldMathRandom = Math.random;
Math.random = function () {
    return 1; // always returns 1 for testing
};
console.log(inbetween());
```