# 1344. Angle Between Hands of a Clock

Medium 43 5 Add to List Share

Given two numbers, `hour` and `minutes`. Return the smaller angle (in sexagesimal units) formed between the `hour` and the `minute` hand.

**Example 1:**


```
Input: hour = 12, minutes = 30
Output: 165
```

**Example 2:**


```
Input: hour = 3, minutes = 30
Output: 75
```

**Example 3:**


```
Input: hour = 3, minutes = 15
Output: 7.5
```

**Example 4:**

```
Input: hour = 4, minutes = 50
Output: 155
```

**Example 5:**

```
Input: hour = 12, minutes = 0
Output: 0
```

**Constraints:**

- `1 <= hour <= 12`
- `0 <= minutes <= 59`
- Answers within `10^-5` of the actual value will be accepted as correct.

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Hide Hint 1

The tricky part is determining how the minute hand affects the position of the hour hand.

Hide Hint 2

Calculate the angles separately then find the difference.