## EXERCISE 5.3                                            PAGE NO: 94

**1. Match the following:**

| | |
|---|---|
| **(i) Straight angle** | **(a) Less than one-fourth of a revolution** |
| **(ii) Right angle** | **(b) More than half a revolution** |
| **(iii) Acute angle** | **(c) Half of a revolution** |
| **(iv) Obtuse angle** | **(d) One-fourth of a revolution** |
| **(v) Reflex angle** | **(e) Between 1 / 4 and 1 / 2 of a revolution** |
| | **(f) One complete revolution** |

**Solutions:**

(i) Straight angle = $180^0$ or half of a revolution

      Hence, (c) is correct answer

(ii) Right angle = $90^0$ or one-fourth of a revolution

      Hence, (d) is correct answer

(iii) Acute angle = less than $90^0$ or less than one-fourth of a revolution

      Hence, (a) is correct answer

(iv) Obtuse angle = more than $90^0$ but less than $180^0$ or between 1 / 4 and 1 / 2 of a revolution

      Hence, (e) is correct answer

(v) Reflex angle = more than $180^0$ but less than $360^0$ or more than half a revolution
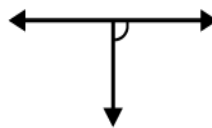
      Hence, (b) is correct answer

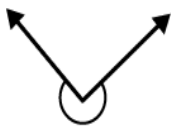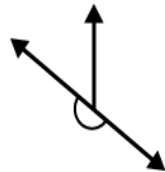**2. Classify each one of the following angles as right, straight, acute, obtuse or reflex:**



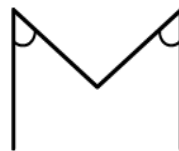**Solutions:**

(i)  The given angle is acute angle it measures less than $90^0$

(ii) The given angle is obtuse angle as it measures more than $90^0$ but less than $180^0$

(iii) The given angle is right angle as it measures $90^0$

(iv) The given angle is reflex angle as it measures more than $180^0$ but less than $360^0$

(v) The given angle is straight angle as it measures $180^0$

(vi) The given angle is acute angle as it measures less than $90^0$