

1 三角形全等的对应关系

1. 若 $\triangle OCA \cong \triangle OBD$, 则

$$\begin{cases} \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \\ \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \\ \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \end{cases}$$
$$\begin{cases} \angle \underline{\hspace{1cm}} = \angle \underline{\hspace{1cm}} \\ \angle \underline{\hspace{1cm}} = \angle \underline{\hspace{1cm}} \\ \angle \underline{\hspace{1cm}} = \angle \underline{\hspace{1cm}} \end{cases}$$

2. 若 $\triangle ABC \cong \triangle FDE$, 则

$$\begin{cases} \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \\ \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \\ \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \end{cases}$$
$$\begin{cases} \angle \underline{\hspace{1cm}} = \angle \underline{\hspace{1cm}} \\ \angle \underline{\hspace{1cm}} = \angle \underline{\hspace{1cm}} \\ \angle \underline{\hspace{1cm}} = \angle \underline{\hspace{1cm}} \end{cases}$$

3. 用刻度尺、三角板画出三角形:

$$\begin{aligned} AB &= 5 \text{ cm}, \\ \angle A &= 30^\circ, \\ AC &= 6 \text{ cm} \end{aligned}$$

5. 用刻度尺、三角板画出三角形:

$$\begin{aligned} \angle A &= 30^\circ \\ \angle C &= 105^\circ \\ AB &= 3 \text{ cm} \end{aligned}$$

6. 用刻度尺、圆规画出三角形:

$$\begin{aligned} AB &= 3 \text{ cm} \\ BC &= 4 \text{ cm} \\ AC &= 6 \text{ cm} \end{aligned}$$

4. 用刻度尺、三角板画出三角形:

$$\begin{aligned} \angle A &= 30^\circ \\ AB &= 5 \text{ cm} \\ \angle B &= 45^\circ \end{aligned}$$

7. 用刻度尺、三角板、圆规画出三角形:

$$\begin{aligned} AB &= 6 \text{ cm} \\ AC &= 4 \text{ cm} \\ \angle B &= 30^\circ \end{aligned}$$