

## Homework

①  $a=15, b=10, c=5$

$$a > b+c$$

$$\Rightarrow 15 > 10+5$$

$$\Rightarrow \underline{\underline{15 > 5}}$$

$\therefore$  Yes, a triangle can be formed.

②  $a=15, b=10, c=5$

$$a = b+c$$

$$\Rightarrow 15 = 10+5$$

$$\Rightarrow \underline{\underline{15 \neq 5}}$$

$\therefore$  No, a triangle can't be formed.

③ equal in area.

④ Yes.

⑤ Yes.

⑥ No

⑦ concyclic

⑧ True

⑨ No.