

T/PC
Ch 5

Sec 5.5 + 5.6 Review

- ① SSA $\triangle$ $m\angle B = 34.3^\circ$ $m\angle C = 35.7^\circ$ $c \approx 6.21$
opp > other
- ② SSS $\triangle$ $m\angle A = 94.3^\circ$ $m\angle C = 68.4^\circ$ $m\angle B = 17.3^\circ$
- ③ SSA $\triangle$ $m\angle A = 36.1^\circ$ $m\angle C = 91.1^\circ$ $c \approx 28.80$
opp > other

- ④ ASA $\triangle$ $m\angle C = 32^\circ$ $a \approx 41.90$ $b \approx 25.18$
- ⑤ SAS- $\triangle$ $c \approx 9.13$ $m\angle A = 54.5^\circ$ $m\angle B = 77.5^\circ$
- ⑥ SSA $\triangle$ $m\angle B = 90^\circ$ $m\angle C = 60^\circ$ $c = 25\sqrt{3}$
opp < other
opp = $h \sin A$

- ⑦ SSA-2 $\triangle$'s $m\angle B_1 = 62.1^\circ$ $m\angle C_1 = 73.9^\circ$ $c_1 = 15.21$
opp < other
 $m\angle B_2 = 117.9^\circ$
 $m\angle C_2 = 18.1^\circ$
 $c_2 \approx 4.92$
- ⑧ SAS- $\triangle$ $b \approx 22.51$ $m\angle C = 37.2^\circ$ $m\angle A = 27.8^\circ$
- ⑨ SSA opp < other
 $h > \text{opp}$
No $\triangle$

- ⑩ SSA-2 $\triangle$'s $m\angle B_1 = 74.4^\circ$ $m\angle C_1 = 57.6^\circ$ $c_1 \approx 30.68$
 $m\angle B_2 = 105.6^\circ$
 $m\angle C_2 = 26.4^\circ$
 $c_2 \approx 16.15$
- ⑪ AAS- $\triangle$ $m\angle B = 113^\circ$ $a \approx 22.60$ $c \approx 13.48$
- ⑫ SSA- $\triangle$ $m\angle B = 49.1^\circ$ $m\angle A = 55.7^\circ$ $a \approx 13.57$
opp > other

- ⑬ SSS $\triangle$ $m\angle B = 17.8^\circ$ $m\angle C = 40.3^\circ$ $m\angle A = 121.9^\circ$
- ⑭ SSA opp < other
 $h > \text{opp}$
No $\triangle$