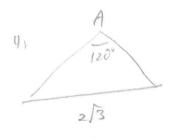
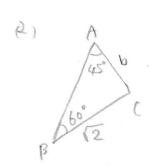
## zukeitos

△ABC において、次の値を求めよ。

- (1)  $a = 2\sqrt{3}$ ,  $\angle A = 120^{\circ}$  のとき, 外接円の半径 R
- (2)  $a = \sqrt{2}$ ,  $\angle A = 45^{\circ}$ ,  $\angle B = 60^{\circ}$  のとき, b の長さ
- (3) b = 6, c = 4,  $\angle A = 120^{\circ}$  のとき, a の長さ
- (4)  $a = 1 + \sqrt{3}, b = \sqrt{2}, c = 2$  のとき,  $\angle C$  の大きさ





$$\frac{\sqrt{2}}{\sqrt{2}} = \frac{b}{\sqrt{2}}$$

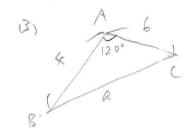
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$$\frac{\sqrt{2}}{$$



会議定理が  

$$\alpha^2 = 16 + 36 - 2.4.6 a 2 1 2 0$$
  
 $= 52 + 24$   
 $= 76$   $\alpha = 2\sqrt{19}$ 

