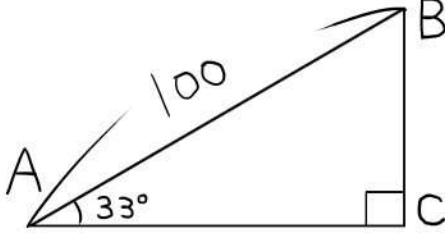


小数第一位を四捨五入して整数で答えよ。また必要であれば、次の三角比の値を利用してよい。

$\sin 33^\circ = 0.5446$ ,  $\cos 33^\circ = 0.8387$ ,  $\tan 33^\circ = 0.6494$ ,  $\sin 62^\circ = 0.8829$ ,  $\cos 62^\circ = 0.4695$ ,  $\tan 62^\circ = 1.8807$

(1) 線分BCの長さを求めよ。 (答) 54

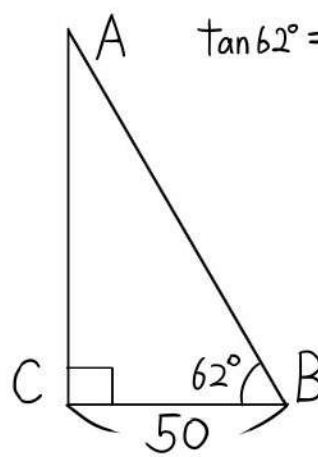


$$\sin 33^\circ = \frac{BC}{AB} = \frac{BC}{100} = 0.5446$$

$$BC = 0.5446 \times 100$$

$$BC = 54.46$$

(5) 線分ACの長さを求めよ。



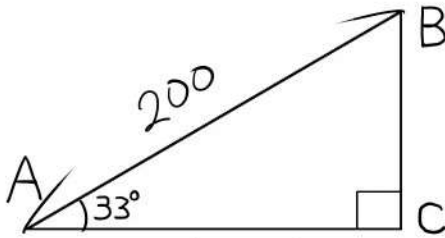
$$\tan 62^\circ = \frac{AC}{BC} = \frac{AC}{50} = 1.8807$$

$$AC = 1.8807 \times 50$$

$$AC = 94.035$$

(答) 94

(2) 線分ACの長さを求めよ。 (答) 168

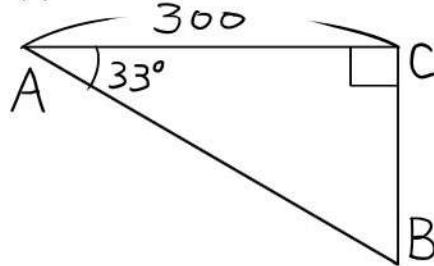


$$\cos 33^\circ = \frac{AC}{AB} = \frac{AC}{200} = 0.8387$$

$$AC = 0.8387 \times 200$$

$$AC = 167.74$$

(6) 線分BCの長さを求めよ。



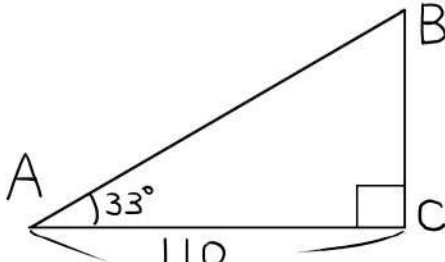
$$\tan 33^\circ = \frac{BC}{AC} = \frac{BC}{300} = 0.6494$$

$$BC = 0.6494 \times 300$$

$$BC = 194.82$$

(答) 195

(3) 線分BCの長さを求めよ。 (答) 71

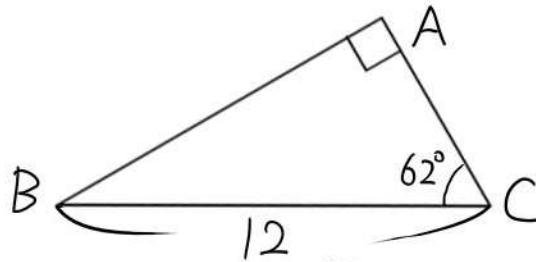


$$\tan 33^\circ = \frac{BC}{AC} = \frac{BC}{110} = 0.6494$$

$$BC = 0.6494 \times 110$$

$$BC = 71.434$$

(7) 線分ABの長さを求めよ。



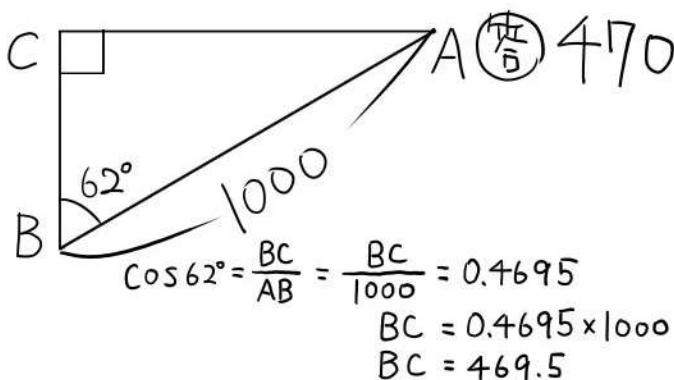
$$\sin 62^\circ = \frac{AB}{BC} = \frac{AB}{12} = 0.8829$$

$$AB = 0.8829 \times 12$$

$$AB = 10.5948$$

(答) 11

(4) 線分BCの長さを求めよ。



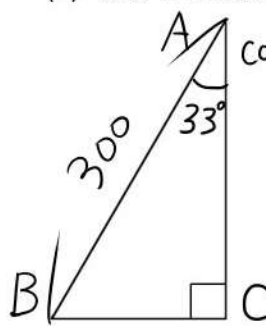
$$\cos 62^\circ = \frac{BC}{AB} = \frac{BC}{1000} = 0.4695$$

$$BC = 0.4695 \times 1000$$

$$BC = 469.5$$

(答) 470

(8) 線分ACの長さを求めよ。



$$\cos 33^\circ = \frac{AC}{AB} = \frac{AC}{300} = 0.8387$$

$$AC = 0.8387 \times 300$$

$$AC = 251.61$$

(答) 252