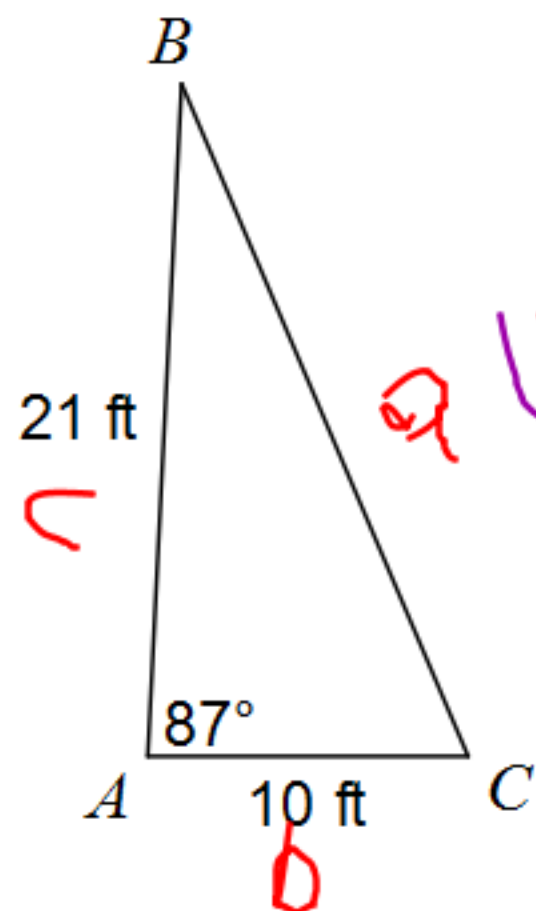


Find each measurement indicated. Round your answers to the nearest tenth.

9) Find $m\angle B$



Find a

$$a^2 = b^2 + c^2 - 2bc \cos A$$

$$a^2 = 10^2 + 21^2 - (2)(10)(21)(\cos A)$$

$$a^2 = 100 + 441 - (21.9)$$

$$a^2 = 519$$

$$a = 23 \text{ ft}$$

$$\cos B = \frac{a^2 + c^2 - b^2}{2ac}$$

$$\cos B = \frac{23^2 + 21^2 - 10^2}{(2)(23)(21)}$$

$$\cos B = \frac{870}{966}$$

$$\cos B = 0.9006$$

$$\angle B = 26^\circ$$

