

	Navn:		Skole:	
	Klasse: 20		Dato: 27. december 2022	Fag: Matematik A

### Opgave 010

010

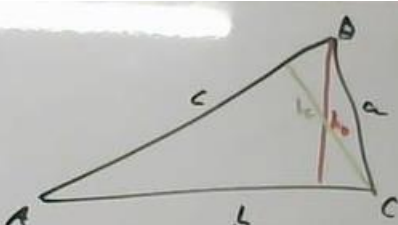
$$\sin A = \frac{h_b}{c} \quad \sin C = \frac{h_b}{a}$$

$$h_b = c \sin A \quad h_b = a \sin C$$

$$c \sin A = a \sin C \quad | : ca$$

$$\frac{\sin A}{a} = \frac{\sin C}{c}$$

$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$



$$\sin A = \frac{h_c}{b} \quad \sin B = \frac{h_c}{a}$$

$$h_c = \sin A \cdot b \quad h_c = \sin B \cdot a$$

$$\sin A \cdot b = \sin B \cdot a \quad | : ab$$

$$\frac{\sin A}{a} = \frac{\sin B}{b}$$