

**13** To find  $a$  note that  $\sin 41^\circ = \frac{a}{8} \Rightarrow a = 8 \sin 41^\circ \Rightarrow a \approx 5.25$ .

To find  $b$  note that  $\cos 41^\circ = \frac{b}{8} \Rightarrow b = 8 \cos 41^\circ \Rightarrow b \approx 6.04$ .