

(1) a) $\alpha = 14.48^\circ$

b) $\alpha = 24.83^\circ$

(2) a) $c = 10.04 \text{ cm}$

b) $c = 8.00 \text{ cm}$

(3) a) $\alpha = 43.95^\circ$

b) $c = 10.20 \text{ cm}$

(4) a) $a = 4.20 \text{ cm}$

b) $\alpha = 50.21^\circ$

(5) a) $a = 3.42 \text{ cm}$

b) $\alpha = 45.00^\circ$

(6) a) $b = 19.15 \text{ cm}$

b) $b = 10.00 \text{ cm}$