

1.64
→

$$\textcircled{a} \quad \begin{aligned} \angle BAD &= \angle ACD \\ \angle ADC &= \angle ABD \end{aligned}$$

היכן קיבלנו
(... משהו)

↓
(S.S) $\triangle ABD \sim \triangle CDA$

$$\textcircled{b} \quad \frac{AB}{CD} = \frac{AD}{AC} = \frac{BD}{AD}$$

$$\sqrt{b) \quad \left. \begin{aligned} \frac{CD}{AB} &= \frac{AC}{AD} \\ \frac{CD}{AB} &= \frac{AD}{BD} \end{aligned} \right\} \left(\frac{CD}{AB} \right)^2 = \frac{AC}{AD} \cdot \frac{AD}{BD} = \frac{AC}{BD}}$$