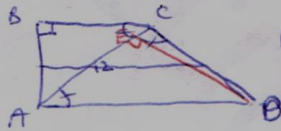


1.11  
6



(algebra)  $\angle ACB = \angle EAD$   
 $\angle ABC = 90^\circ = \angle AED$  }  $\triangle ABC \sim \triangle DEA$   
(S.S)

$CD = AD = x$  maj die  $\triangle ACD \Rightarrow$   
 $BC = 27 - x$

1.13 ab. AE  $\perp$  AC  $\Rightarrow$  per die  $\triangle ADE$

$$\frac{BC}{EA} = \frac{AC}{DA}$$

$$\frac{27-x}{6} = \frac{12}{x} \rightarrow x = 24$$

$$x = 3$$

$$AD = 24 = CD$$

$$BC = 3$$

$$AB = \sqrt{12^2 - 3^2} = \sqrt{135} = 3\sqrt{15}$$