

(1)  $A = 30.5 \text{ cm}^2$

(2)  $x = \frac{a}{2}$

(3)  $T = 21 \text{ cm}^2$

(4)  $\frac{ABC}{P} = \frac{3}{8}$

(5)  $a = 7 \text{ cm}; b = 5.1 \text{ cm}$