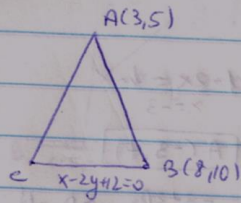


3.44  
K8

(K)



$$C(2t-12, t) \quad | \quad t=10$$

$$AB = AC$$

$$\sqrt{25+25} = \sqrt{(2t-15)^2 + (t-5)^2}$$

$$50 = 4t^2 - 60t + 225 + t^2 - 10t + 25$$

$$t^2 - 12t + 40 = 0 \quad \leftarrow \quad 5t^2 - 70t + 200 = 0$$

$$t = 4$$

$$t = 10 \rightarrow A \rightarrow C(-4, 4)$$

$$y - 5 = \frac{1}{7}(x - 3)$$

AC, Höhen

$$7y - x = 32$$

(2)

$$h = \frac{|7 \cdot 10 - 8 - 32|}{\sqrt{50}} = \frac{30}{5\sqrt{2}} = \frac{6}{\sqrt{2}} = 3\sqrt{2}$$

AC  $\perp$  BC - Höhen (h) AC - A B Grund

$$S = \frac{AC \cdot h}{2} = \frac{\sqrt{50} \cdot 3\sqrt{2}}{2} = 15$$