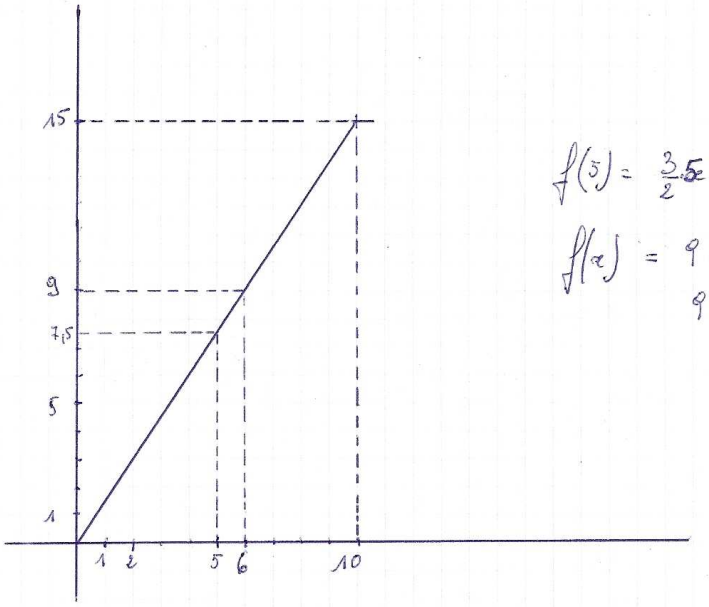
n°47

Aire de BDM = $\frac{\frac{x}{2} \cdot 3}{2} = \frac{3x}{4}$ (base du Δ : $\frac{x}{2}$, hauteur : 3)

Aire coloriée : $\frac{3x}{4} \cdot 2 = \frac{3x}{2}$

$f : x \longrightarrow et(x) = \frac{3x}{2}$



$f(5) = \frac{3}{2} \cdot 5 = \frac{15}{2} = 7,5 \text{ cm}^2$

$f(x) = 9 \text{ cm}^2$

$9 = \frac{3}{2} x$ donc $x = 6$ cm