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(d) $(3x-4)(4-3x) = -9x^2$

(parts)

$$12x - 9x^2 - 16 + 12x = -9x^2$$

$$24x - 16 = 0$$

$$24x = 16$$

$$x = \frac{16}{24} = \frac{2}{3}$$

Svar: $x = \frac{2}{3}$

(e) $(5987-x)^2 - 2(5987-x) = 0$

$$(5987-x)((5987-x)-2) = 0$$

$$(5987-x)(5985-x) = 0$$

$$5987-x = 0 \quad \text{eller} \quad 5985-x = 0$$

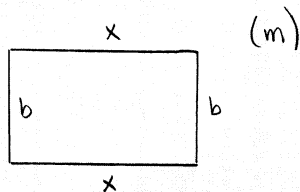
$$x = 5987$$

$$x = 5985$$

Svar: $x_1 = 5985, x_2 = 5987$

Bryt ut $(5987-x)$

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$$2x + 2b = 120$$

$$2b = 120 - 2x$$

$$b = 60 - x$$

$\frac{120-2x}{2} = \frac{120}{2} - \frac{2x}{2}$
 $= 60 - x$

Area

$$x \cdot b = x \cdot (60-x) = 60x - x^2$$

Svar: $A = 60x - x^2$