Ticket Out the Door
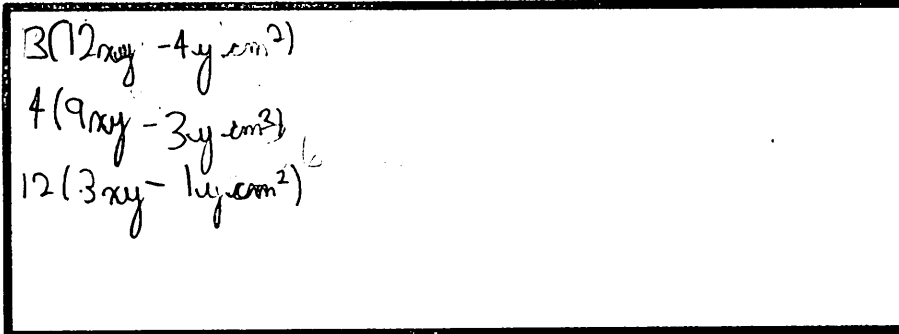
List 3 possible lengths and widths possible if the area of this rectangle is: $36xy - 12y$ cm^2. Justify your responses.

$3(12xy - 4y$ cm$^2)$

$4(9xy - 3y$ cm$^2)$

$12(3xy - 1y$ cm$^2)$

Ticket Out the Door

List 3 possible lengths and widths possible if the area of this rectangle is: $36xy - 12y$ cm^2. Justify your responses.
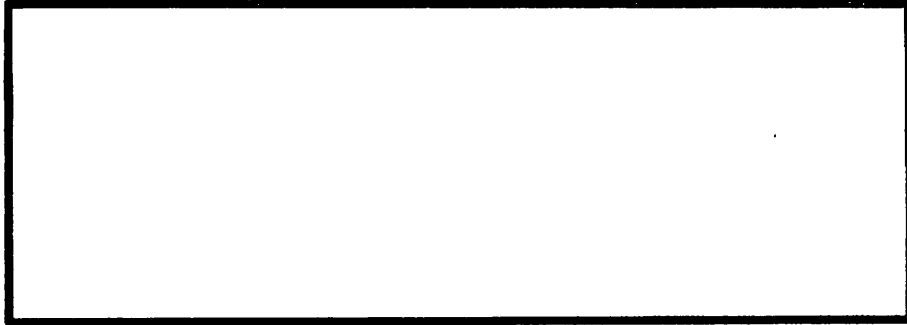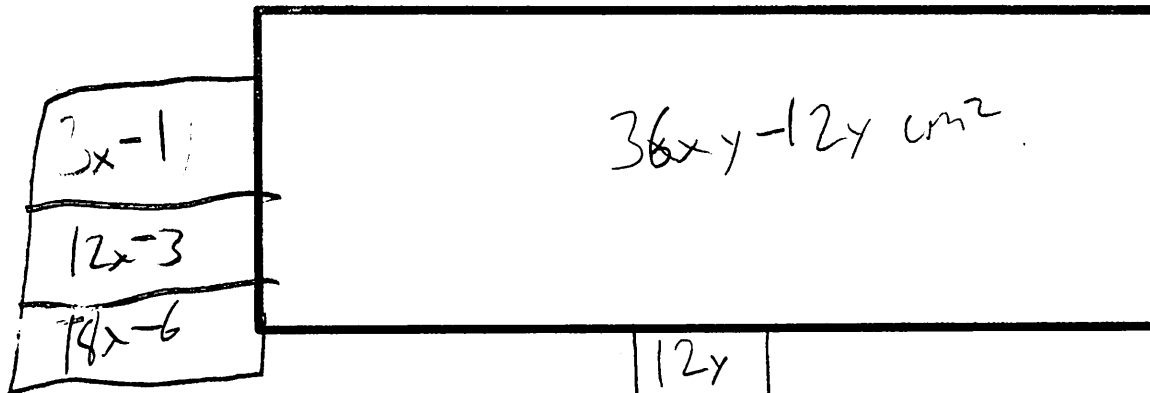
I don't understand it yet

Ticket Out the Door

List 3 possible lengths and widths possible if the area of this rectangle is: $36xy - 12y$ cm^2. Justify your responses.

$36xy - 12y$ cm^2.

$3x - 1$

$12x - 3$

$18x - 6$

$(3x - 1)(12y)$ $36xy - 12y$ $\dfrac{12y}{3y}$ $\dfrac{}{2y}$

$(12x - 3)(3y)$

$(18x - 6)(2y)$

Ticket Out the Door

List 3 possible lengths and widths possible if the area of this rectangle is: $36xy - 12y$ cm^2. Justify your responses.

$6xy, 18xy, 12xy$ cm^2

$6y$
$2y$
$4y$
cm^2

$36xy - 12y$ cm^2

$\dfrac{18}{7}{36}$

Ticket Out the Door

List 3 possible lengths and widths possible if the area of this rectangle is: $36xy - 12y$ cm^2. Justify your responses.

$$36xy - 12y \; cm^2$$
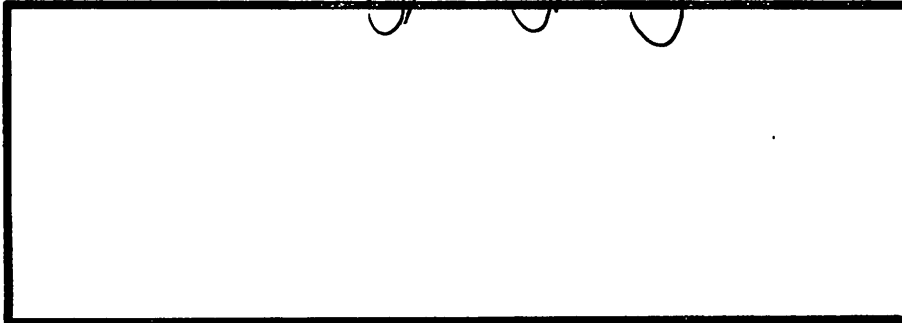
$$3_y(12xy + 4y \cdot y)$$

Ticket Out the Door

List 3 possible lengths and widths possible if the area of this rectangle is: $36xy - 12y$ cm^2. Justify your responses.
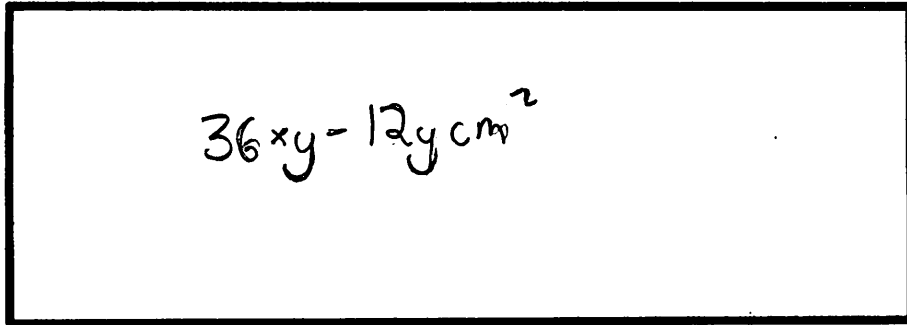
$6y(6x - 2 \text{ cm}^2) = 36xy - 12y \text{ cm}^2$

$3y(12x - 4 \text{ cm}) = 36xy - 12y \text{ cm}^2$

$12y(3x - 1 \text{ cm}^2) = 36xy - 12y \text{ cm}^2$

Ticket Out the Door

List 3 possible lengths and widths possible if the area of this rectangle is: 36xy – 12y cm^2. Justify your responses.

$12(3xy - y)$ $4(9xy - 3y)$ $6(6xy - 2y)$
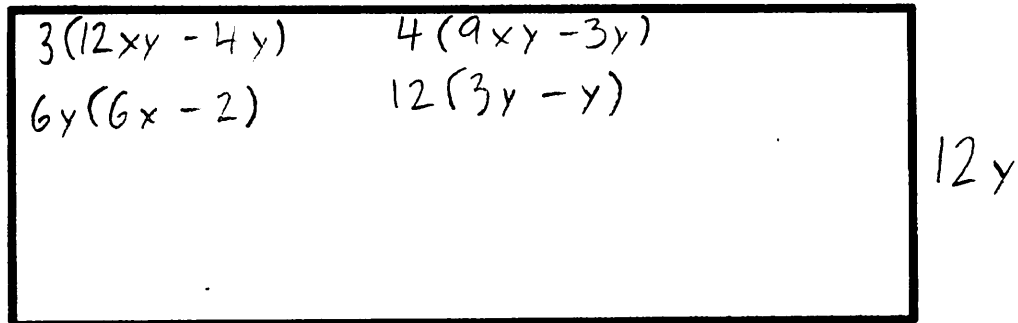
$36xy - 12y$ $36xy - 12y$ $36xy - 12y$

Ticket Out the Door

List 3 possible lengths and widths possible if the area of this rectangle is: $36xy - 12y$ cm^2. Justify your responses.

$3(12xy - 4y)$ $4(9xy - 3y)$
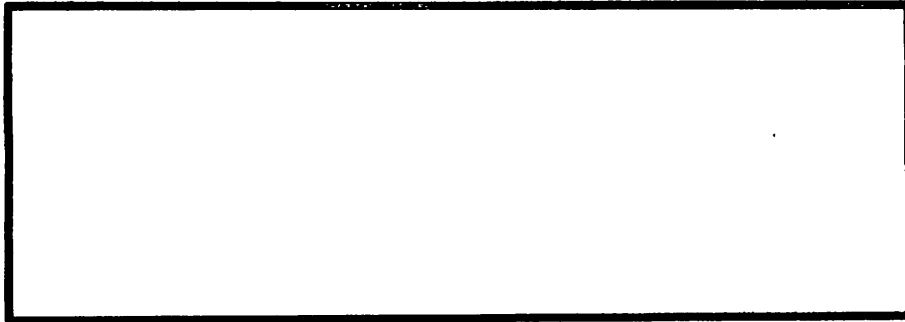$6y(6x - 2)$ $12(3y - y)$

$12y$

$36xy$

$3(12xy - 4y)$

$6y(6x - 2)$

$12(3y - y)$

$4(9xy - 3y)$

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List 3 possible lengths and widths possible if the area of this rectangle is: 36xy − 12y cm². Justify your responses.

$$6\left(6xy - 2y\, cm^2\right)$$

$$4\left(9xy - 3y\, cm^2\right)$$

$$3\left(12xy - 4y\, cm^2\right)$$

$$2\left(18xy - 6y\, cm^2\right)$$

$$12\left(3xy - 1y\, cm^2\right)$$

$$0.5\left(72xy - 24y\, cm^2\right)$$

$$1\left(36xy - 12y\, cm^2\right)$$

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List 3 possible lengths and widths possible if the area of this rectangle is: 36xy – 12y cm². Justify your responses.

$$36xy - 12y \ cm^2$$

$4(3y - 7xy)$

$12y \quad 36xy$

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List 3 possible lengths and widths possible if the area of this rectangle is:
36xy − 12y cm². Justify your responses.

$6y$

$6(6xy - 2y)$

$6x$

Ticket Out the Door

List 3 possible lengths and widths possible if the area of this rectangle is: $36xy - 12y$ cm^2. Justify your responses.

$$6y(6x - 2 \text{ cm}^2) = 36xy - 12y \text{ cm}^2$$
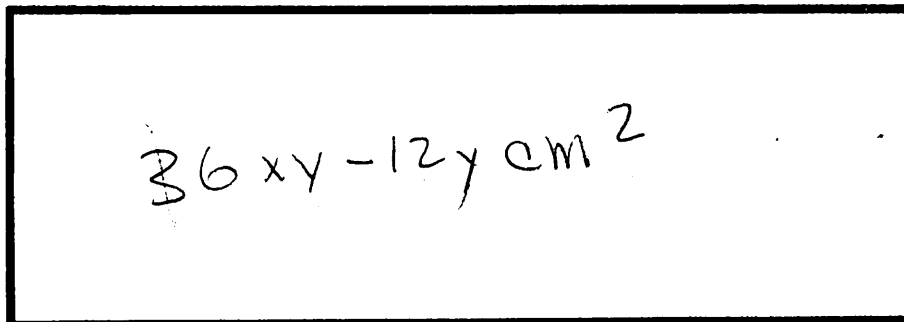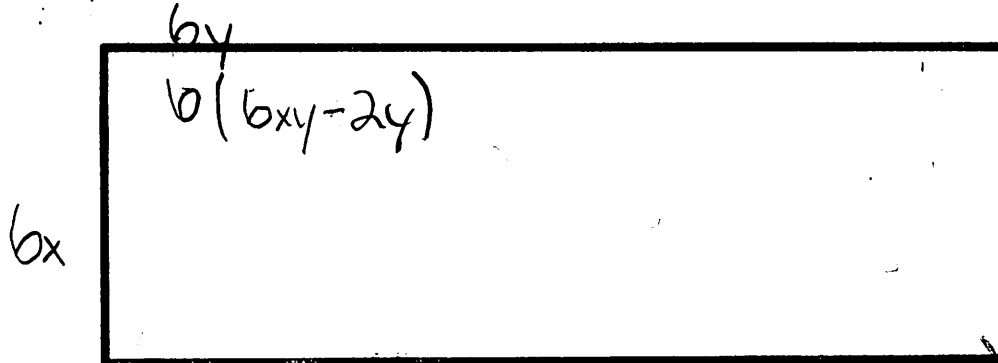$$3y(12x - 4 \text{ cm}^2) = 36xy - 12y \text{ cm}^2$$
$$18xy + 2y \text{ cm}^2 + 18xy - 14y \text{ cm}^2 = 36xy - 12y \text{ cm}^2$$

Ticket Out the Door

List 3 possible lengths and widths possible if the area of this rectangle is: $36xy - 12y$ cm^2. Justify your responses.

$$36xy - 12y \text{ cm}^2$$

$$12(3xy - 1y \text{ cm}^2)$$

$$3(12xy - 4y \text{ cm}^2)$$

$$4(9xy - 3y \text{ cm}^2)$$

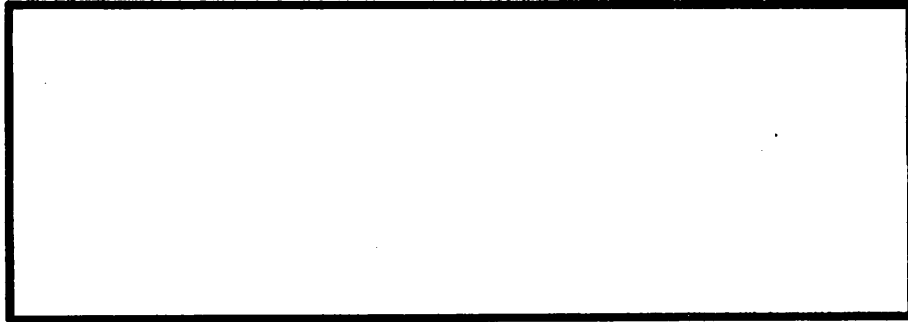$$2y(18x - 6 \text{ cm}^2$$

$$14a(a - 14 \times 2 \times a$$

$$14a(a - 2)$$

$$14a^2 - 28a$$

$$7 \cdot 7(a^2 - 4a)$$

Ticket Out the Door

List 3 possible lengths and widths possible if the area of this rectangle is: $36xy - 12y$ cm^2. Justify your responses.

$12(3xy - y^2)$

$3(4xy - 4y^2)$

$4(3xy - 3y^2)$

$6(6xy - 2y^2)$

$2(18xy - 6y^2)$

Ticket Out the Door

List 3 possible lengths and widths possible if the area of this rectangle is: $36xy - 12y$ cm^2. Justify your responses.

$$A = 36xy - 12y \text{ cm}^2$$

① $6y(6x - 2y)$

$36xy - 12y^2$

② $3y(12x - 4y)$

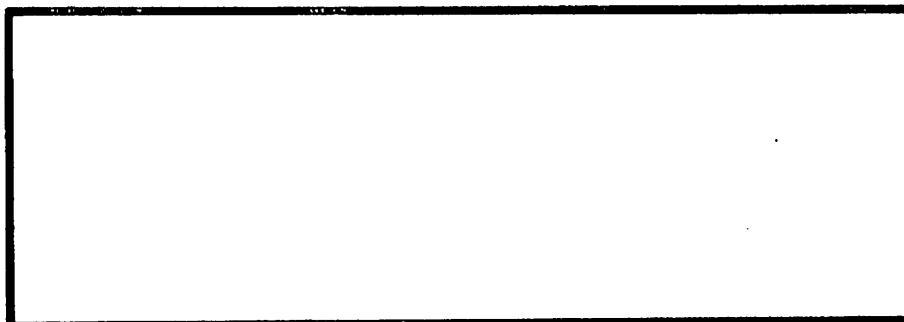$36xy - 12y^2$

③ $4y(9x - 3y)$

$36xy - 12y^2$

Ticket Out the Door

List 3 possible lengths and widths possible if the area of this rectangle is: $36xy - 12y$ cm^2. Justify your responses.

$$6y(6x - 2cm^2) = 36xy - 12y \, cm^2$$

$$3x$$

Ticket Out the Door

List 3 possible lengths and widths possible if the area of this rectangle is: $36xy - 12y$ cm^2. Justify your responses.

$$12y \cdot 3x + y$$

$$3y(12x + 4)$$

$$2y(18x + 6)$$