a ve have

Total cost = Fixed cost + (variable cost) * × × (x: numbers of items)

-) 2100 = FIXAD (OST + 10 x 150

=) FIXA rost = 200 - 1500

=) Fixed rost = 600

(b.) 50 widgets Sell for 2000

=) $\frac{1}{50}$ | $\frac{206}{50}$ = $\frac{40}{50}$

(C) Break - even means:

Total cost = Perenue

= 600 + 10 x = 40 x

$$=$$
 606 $=$ 40 \times - 10 \times

$$=$$
) $600 = 30 \times$

$$=$$
) $X = 20$

$$=)$$
 40 x - (600 + 18x) = 100,000

$$=)$$
 30 x - 600 = 100,000

$$=$$
) $30 \times = 100,608$

$$= \frac{100,600}{30} = 3353.33 \approx 3354$$

Need to sell 3354 widges to make \$ 100,000 profit.