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p. 266

#22 0; 1 sol.

#24 1; 2 "

#26 0; 1 " (real)

#28 -23; 0 " "

$$\#24 \quad -2x^2 + 7x = 6$$

$$-2x^2 + 7x - 6 = 0$$

$$a = -2 \quad b = 7 \quad c = -6$$

#26

#31 area = 36 in^2
 perimeter = 36 in
 dimensions to
 nearest hundredth
 inch.

$$\textcircled{1} \quad 2x + 2y = 36$$

$$x + y = 18$$

$$\textcircled{2} \quad y = 18 - x$$

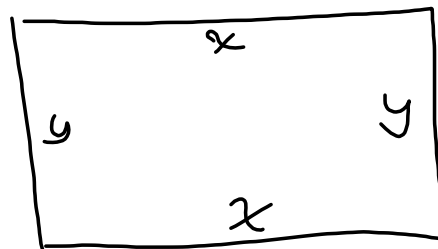
$$x \cdot y = 36$$

$$x(18 - x) = 36$$

$$18x - x^2 - 36 = 0$$

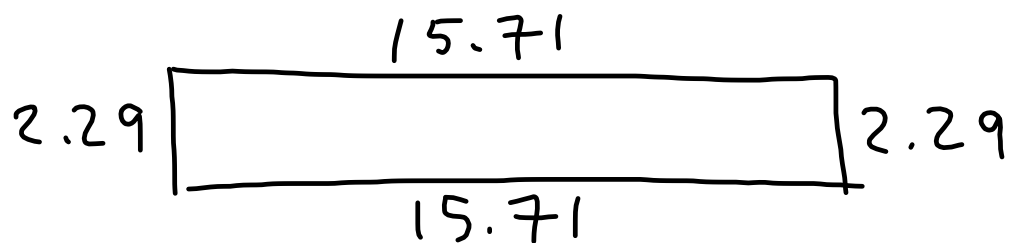
$$-x^2 + 18x - 36 = 0$$

$$x^2 - 18x + 36 = 0$$



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Zero E I  
X=2.2917961
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Zero E I  
X=15.708204
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$$x = 18 - y$$