Answer on Question #80419 - Math - Algebra

Question

1. 9x-4.5=5x+7;

Solution

9x-4.5=5x+7 9x-5x=7+4.5 4x=11.5 x=11.5/4 x=2.875 **Answer:** x=2.875

Question

Solution

- **2.** 10-x=3+7(x-4)
 - 10-x=3+7(x-4) 10-x=3+7x-28 -x-7x=3-28-10 -8x=-35 x=(-35)/(-8) x=35/8 x=4.375 **Answer:** x=4.375

ax-2a+d=bc ax=bc+2a-d

Make X the subject of each of the following formula

Question 1. bx+c=y+1 bx=y+1-c x=(y+1-c)/bAnswer: x=(y+1-c)/bQuestion 2. a(x-2)+d=bc a(x-2)+d=bcSolution x=(bc+2a-d)/a Answer: x=(bc+2a-d)/a

Question

3. ax/b=5

Solution

ax/b=5 ax=5b x=5b/a **Answer:** x=5b/a

Question

4. b/2=2x+1/3

Solution

b/2=2x+1/3 -2x=1/3-b/2 2x= -1/3+b/2 x=1/2(-1/3+b/2) x= -1/6+b/4 **Answer:** x= -1/6+b/4

Question

A rectangle has sides of 2x, and (x+2) metres. Its perimeter is 70m. How long is each side?

Solution

Perimeter is 2x+2x+(x+2)+(x+2)=706x+4=706x=70-46x=66x=11The lengths of sides are x+2=11+2=13and 2x=2*11=22**Answer:** 13 and 22.

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