

"Distributive Property Using Area"

Complete # 1 - 4. Put the area inside each box.



Distributive Property Using Area

NAME

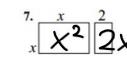
Write the expression that represents the area of each rectangle.





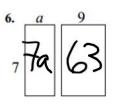
3. a 3 3a





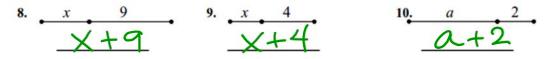
Find the area of each box in the pair.



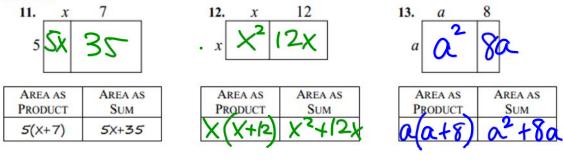


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Write the expression that represents the total length of each segment.



Write the area of each rectangle as the product of *length*×*width* and also as a sum of the areas of each box.





Use the distributive property to re-write each expression as a sum. You may want to draw a rectangle on a separate page to follow the technique above.

14.	4(x+7)=	4x	+28
	-2(x+4)=		
	a(a-1)=(la
20.	-4(a-4)=	-4d	16

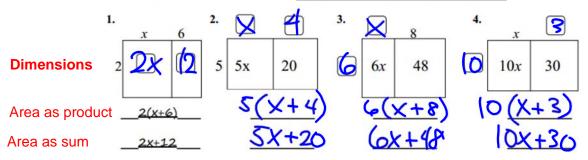
15. 7(x-3) = 2x-217. $x(x+9) = x^2 + 2$ 19. 3m(m+2) = 3m21. $a(a-12) = a^2$ - 15

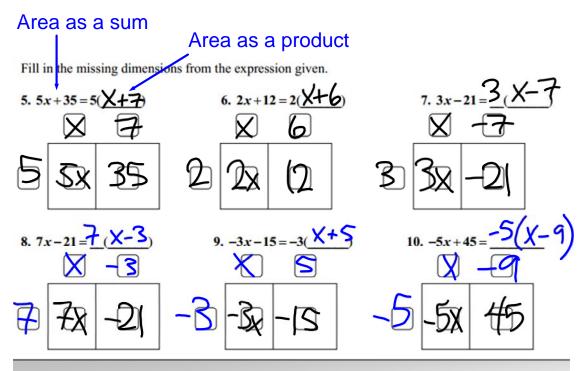


Factoring a Common Factor Using Area

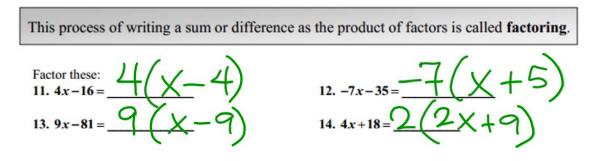
Fill in the missing information for each: dimensions, area as product, and area as sum

NAME





This process of writing a sum or difference as the product of factors is called factoring.



Homework time...

problems 1-6