Surface Area of a Triangular Prism

area of front triangle = \( \frac{1}{2} (b \times h) \)  
area of back triangle = \( \frac{1}{2} (b \times h) \)  
area of front triangle + back triangle = \( b \times h \)  
area of right side = \( \text{right} \ l \times w \)  
area of left side = \( \text{left} \ l \times w \)  
area of bottom = \( b \times w \)

b.

b. _______________________

c. \( \text{base} = 20 \ \text{mm} \)
   \( \text{height} = 15 \ \text{mm} \)
   \( \text{right length} = 24 \ \text{mm} \)
   \( \text{left length} = 18 \ \text{mm} \)
   \( \text{width} = 30 \ \text{mm} \)

c. _______________________

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ANSWER KEY

Surface Area of a Triangular Prism

area of front triangle = \( \frac{1}{2} (b \times h) \)
area of back triangle = \( \frac{1}{2} (b \times h) \)
area of right side = right \( l \times w \)
area of left side = left \( l \times w \)