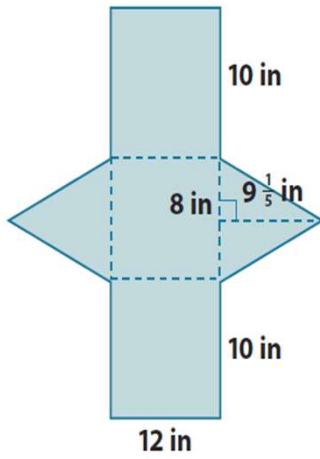


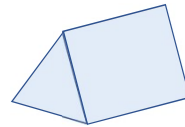
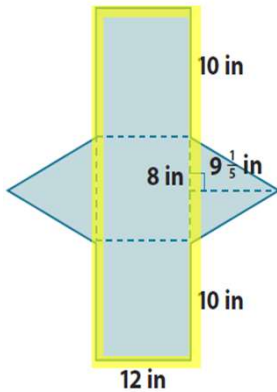
Surface Area Worksheets

1. For the following net, highlight the perimeter of the lateral area, draw the solid represented by the net, indicate the type of solid, and then find the solid's surface area.



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(3-Dimensional Form)

Right triangular prism

$$SA = LA + 2B$$

$$LA = P \cdot h$$

$$LA = (10 \text{ in.} + 8 \text{ in.} + 10 \text{ in.}) \cdot 12 \text{ in.}$$

$$LA = 28 \text{ in.} \cdot 12 \text{ in.}$$

$$LA = 336 \text{ in}^2$$

$$B = \frac{1}{2}bh$$

$$B = \frac{1}{2}(8 \text{ in.})\left(9\frac{1}{5} \text{ in.}\right)$$

$$B = 4 \text{ in.}\left(9\frac{1}{5} \text{ in.}\right)$$

$$B = \left(36 + \frac{4}{5}\right) \text{ in}^2$$

$$B = 36\frac{4}{5} \text{ in}^2$$

$$SA = 336 \text{ in}^2 + 2\left(36\frac{4}{5} \text{ in}^2\right)$$

$$SA = 336 \text{ in}^2 + \left(72 + \frac{8}{5}\right) \text{ in}^2$$

$$SA = 408 \text{ in}^2 + 1\frac{3}{5} \text{ in}^2$$

$$SA = 409\frac{3}{5} \text{ in}^2$$

The surface area of the right triangular prism is $409\frac{3}{5} \text{ in}^2$.

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