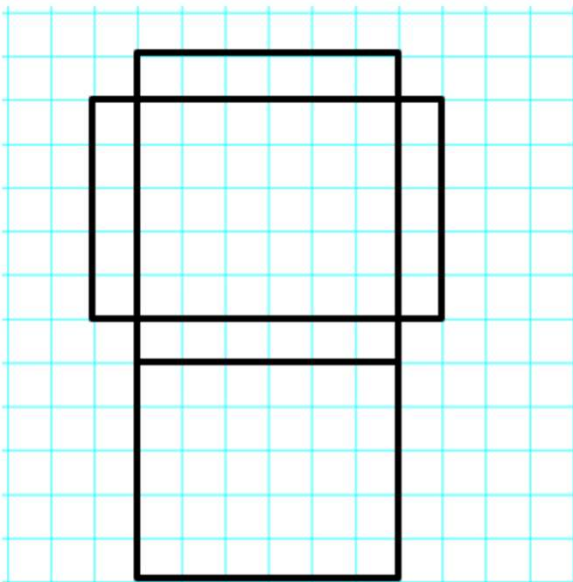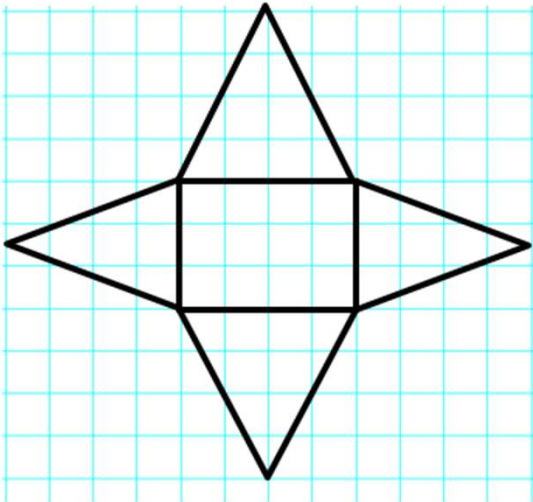# Geometry Worksheets
(Surface Area using Nets)

Name the solid the net would create, and then write an expression for the surface area. Use the expression to determine the surface area. Assume that each box on the grid paper represents a $1\ cm \times 1\ cm$ square. Explain how the expression represents the figure
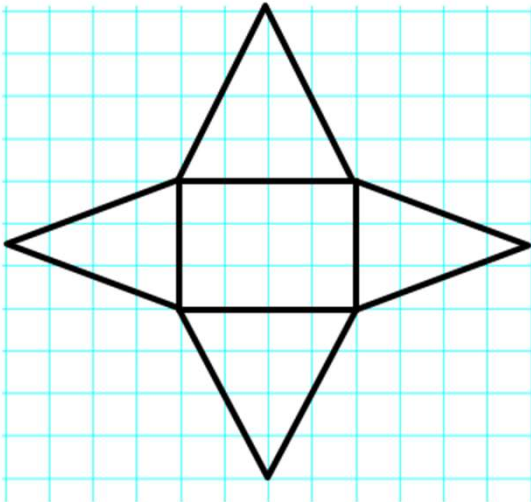
Geometry Worksheets
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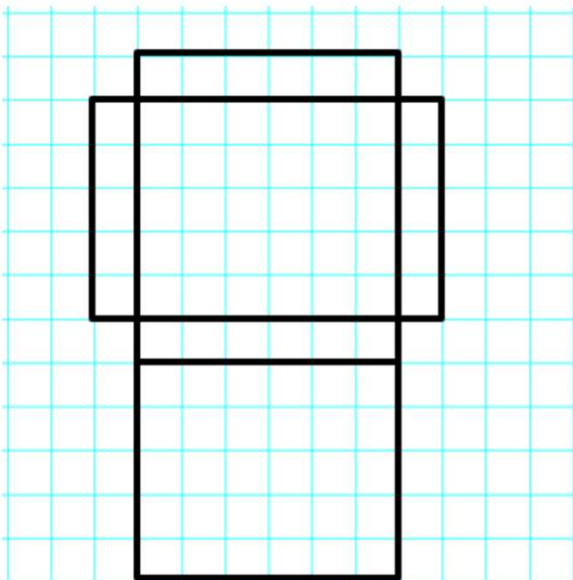*Name of Shape: Rectangular Pyramid*

Surface Area: $3\ cm \times 4\ cm + 2\left(\frac{1}{2} \times 4\ cm \times 4\ cm\right) + 2\left(\frac{1}{2} \times 4\ cm \times 3\ cm\right)$

Work: $12\ cm^2 + 2(8\ cm^2) + 2(6\ cm^2) = 40\ cm^2$

The surface area is $40\ cm^2$.
The figure has 1 rectangular base that measures $3\ cm \times 4\ cm$, 2 triangular faces, each with a base of $4\ cm$ and a height of $4\ cm$, and 2 other triangular faces, each with a base of $3\ cm$ and a height of $4\ cm$.

Name of Shape: Rectangular Prism

Surface Area: $2(6\ cm \times 5\ cm) + 2(5\ cm \times 1\ cm) + 2(6\ cm \times 1\ cm)$

Work: $2(30\ cm^2) + 2(5\ cm^2) + 2(6\ cm^2) = 82\ cm^2$

The surface area is $82\ cm^2$.
The figure has two $6\ cm \times 5\ cm$ rectangular faces, two $5\ cm \times 1\ cm$ rectangular faces, and two $6\ cm \times 1\ cm$ rectangular faces.