

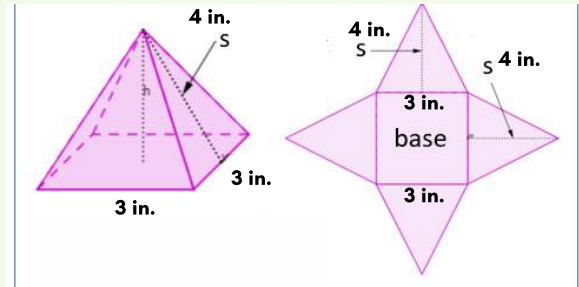
Surface Area-Pyramid

Concept

The surface area of a solid is the total area of its surface. To find the surface area you will need to find the area of each face (side) and then add them all together.

This is a Square Pyramid. to find the surface area we need to find the area of all 5 faces.

Now if you look at the net you can see we need to find the area of four triangles and one square. The triangles have a height of 4 inches and a base of 3 inches. And the square has sides of 3 inches.



Area of triangle = $\frac{1}{2} \times (3 \text{ in.} \times 4 \text{ in.}) = 6 \text{ in.}^2$

But there are 4 triangles so we need to multiply by 4 and we will get $6 \times 4 = 24 \text{ in.}^2$. And area of square

Now we just add them $24 + 9 = 33 \text{ in.}^2$

When finding the areas of the triangles we can also use the perimeter of the base and still get the same answer.

Assignment

Find the surface area of each shape

