**12.2 Lateral Area and Surface Area of Prisms and Cylinders**

The sum of the areas of the lateral faces of a right prism is called the **lateral area** of the prism. The perimeter of the base and the height of the right prism can be used to find the lateral area of the prism. The lateral area can be used to find the surface area of a prism. The formulas are given below.

The **lateral area** *L* of a right prism with base perimeter *p* and height *h* is:

The **surface area** *S* of a prism with lateral area *L* and base area *B* is:

**Find the lateral area and the surface area of each prism or cylinder.**

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| --- | --- |
| **1.)** | Lateral Area:  Surface Area: |
| **2.)** | Lateral Area:  Surface Area: |