Isabel is baking a rectangular chocolate icing cake with dimensions of 14 in, 5 in, and 2 in. The chocolate icing cost $0.02 per square inch. How much would it cost Isabel to put icing over all the cake with the exception of the bottom?
First, we need to find the surface area of the cake, excluding the bottom.

**SA of Cake**

Top: \((14)(5) = 70\)
Front: \((14)(2) = 28\)
Back: \((14)(2) = 28\)
Left: \((5)(2) = 10\)
Right: \((5)(2) = 10\)

Total = 146 in\(^2\)

Now, to find the price of the chocolate icing we need to multiply total square inches by the cost per square inch.

Chocolate icing = \((0.02)(146)\)
Chocolate icing = $2.92

It will cost Isabel $2.92 to put chocolate icing over her cake.