Incorrect. The acute angles are complementary, so  $m \angle S = 30^{\circ}$ . This is a  $30^{\circ} - 60^{\circ} - 90^{\circ}$  triangle. One way to find the length of the hypotenuse is to use the sine function, because you know the value of  $\sin 60^{\circ}$ :

$$\frac{5\sqrt{3}}{t} = \sin 60^\circ = \frac{\sqrt{3}}{2}$$

Solve this equation for *t*. To find the length of  $\overline{RT}$ , you could solve this equation:

$$\frac{5\sqrt{3}}{s} = \tan 60^\circ = \sqrt{3}$$