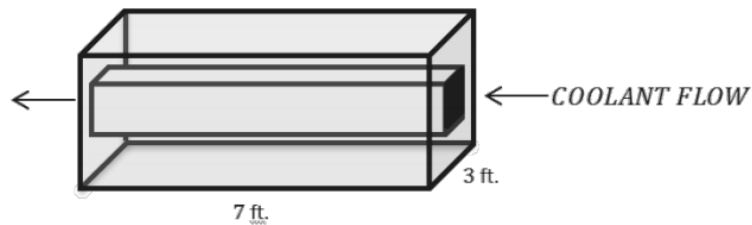


Name _____

Date _____

*Name:**Date:**G7-M3-L23-26***Lesson 26: Volume and Surface Area****Exit Ticket***Exit Ticket (Classwork Grade)*

Lawrence is designing a cooling tank that is a square prism. A pipe in the shape of a smaller $2\text{ ft} \times 2\text{ ft}$ square prism passes through the center of the tank as shown in the diagram, through which a coolant will flow.



- What is the volume of the tank including the cooling pipe?
- What is the volume of coolant that fits inside the cooling pipe?
- What is the volume of the shell (the tank not including the cooling pipe)?
- Find the surface area of the cooling pipe.

You may use a calculator. Show all work neatly. Sent pic of work.