

The diagram shows a tetrahedron \$SABC\$. Point \$D\$ lies on edge \$SC\$, and point \$H\$ lies on edge \$AB\$. A dashed line segment \$SD\$ connects vertex \$S\$ to point \$D\$. A solid orange line segment \$AH\$ connects vertex \$A\$ to point \$H\$. Another solid orange line segment \$DG\$ connects point \$D\$ to point \$G\$ on edge \$BC\$. The segments \$SD\$ and \$AH\$ are shown to be perpendicular to each other. The segments \$AH\$ and \$DG\$ are also shown to be parallel.

