| 1. Find length $P N$. | 2. <br> Explain why $\triangle A B E \sim \triangle A C D$, and then find $C D$. |
| :---: | :---: |
| 3. <br> Find the length of each segment. $\overline{J G}$ | 4. Find the length of $\overline{B C}$. |
| 5. Explain why the triangles are similar and write a similarity statement. | 6. <br> Verify that the triangles are similar. <br> $\triangle P Q R$ and $\triangle S T U$ |
| 7. <br> A student is standing next to a sculpture. The figure shows the shadows that they cast. What is the height of the sculpture? | 8. <br> Verify that $\overline{B E}$ and $\overline{C D}$ are parallel. |




