**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_**

**Core Math Idea:** How can you use scale factors to find missing side lengths?

1. **Rectangles ABCD and EFGH are similar. Find the length of side AD. Explain how you found the length.**



1. **Triangles ABC and DEF are similar. Find the missing side lengths and angle measures. Explain.**



1. **Anya and Jalen disagree about whether the two figures below are similar. Do you agree with Anya or Jalen? Explain.**
2. **Melanie and Wyatt discuss whether the two figures at the below are similar. Do you agree with Melanie or Wyatt? Explain.**





