

MATH 108 Sochacki In Class Assignment

Oct. 18, 2013 Team Work

All necessary work must be shown for credit. You may NOT use computers, notes or texts. All of your team members must help. You cannot have more than 3 team members. Each team member's printed name must be on the left and the written name must be on the right. Your signature means you only worked with team members on this problem. All of the team members above are to work on the following problems together. Your turn in work must be NEAT and professional.

1. _____ 1. _____

2. _____ 2. _____

3. _____ 3. _____

4. _____ 4. _____

All of the team members are to work on the following problems together.

1. Give all the symmetries of an equilateral triangle.

2. You are to tile an 8 x 10 room with regular hexagonal tiles as shown below. How many tiles will you need? You might have to cut some tiles. What shape will you cut these tiles?

3. The following two pentagons are similar. Give the proportion ratio of their similarities. Give all the missing edge lengths and angle measures.