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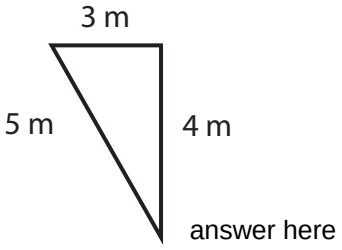
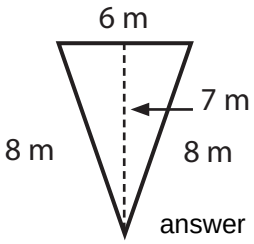
Explain

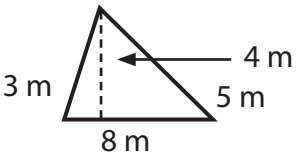
Use the formula A = ½BH to calculate the area of the triangles below.



answer here



answer here



answer here

Elaborate

Outline the shooting triangle and measure all three sides. Then use the table to record if each student made or missed their shot from this location.

Shot Location 1		Shot 1	Shot 2	Shot 3
Side Lengths of Triangle: answer here	**Person 1**	answer here	answer here	answer here
Base = answer here **Height =** answer here	**Person 2**	answer here	answer here	answer here
Area Calculation: answer here	**Person 3**	answer here	answer here	answer here
	Person 4	answer here	answer here	answer here

Shot Location 2		Shot 1	Shot 2	Shot 3
Side Lengths of Triangle: answer here	**Person 1**	answer here	answer here	answer here
Base = answer here **Height =** answer here	**Person 2**	answer here	answer here	answer here
Area Calculation: answer here	**Person 3**	answer here	answer here	answer here
	Person 4	answer here	answer here	answer here

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Shot Location 3		Shot 1	Shot 2	Shot 3
Side Lengths of Triangle: answer here	**Person 1**	answer here	answer here	answer here
Base = answer here **Height =** answer here	**Person 2**	answer here	answer here	answer here
Area Calculation: answer here	**Person 3**	answer here	answer here	answer here
	Person 4	answer here	answer here	answer here

Shot Location 4		Shot 1	Shot 2	Shot 3
Side Lengths of Triangle: answer here	**Person 1**	answer here	answer here	answer here
Base = answer here **Height =** answer here	**Person 2**	answer here	answer here	answer here
Area Calculation: answer here	**Person 3**	answer here	answer here	answer here
	Person 4	answer here	answer here	answer heres

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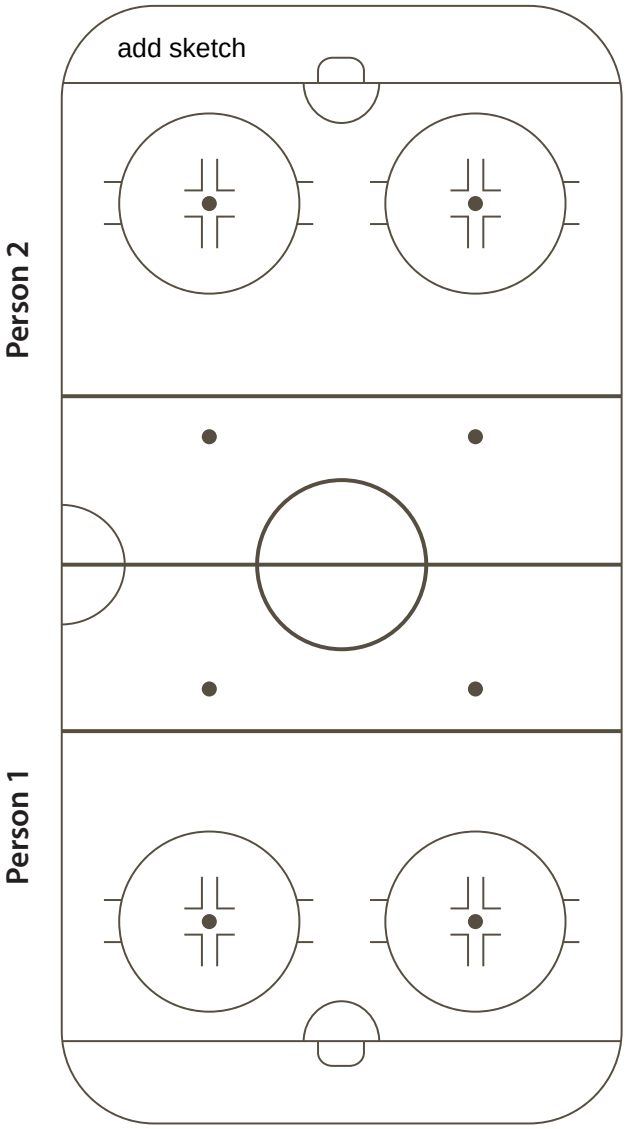
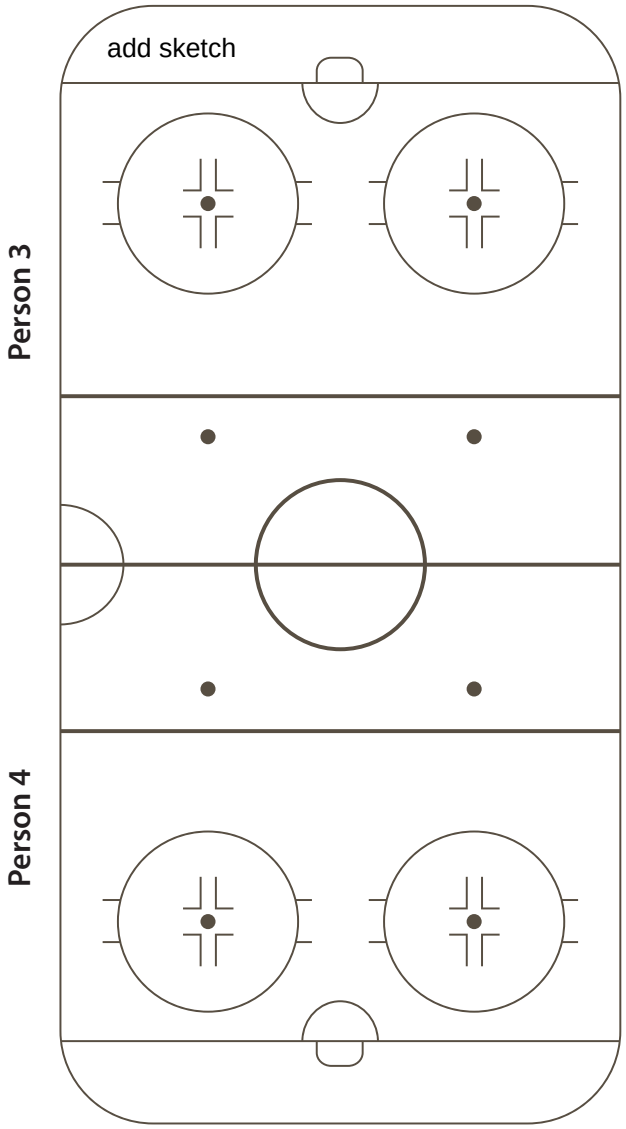
Evaluate

Sketch the shooting triangle for each of the four shot locations. Label each side with correct measurements and include the area in the center.





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Extend

Claim: What is the relationship between the shooting triangle area and number of goals scored?

answer here

Evidence: Using your data, explain why your claim is supported.

answer here

Reasoning: Justify your response.

answer here