Name: _____   Class: _____
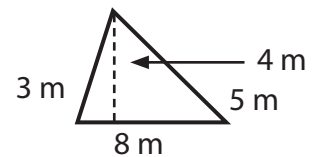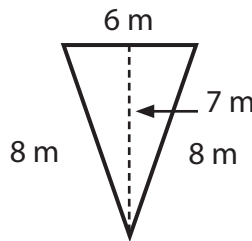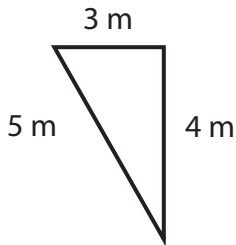
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Explain

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

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:	**Person 1**			
Base = Height =	**Person 2**			
Area Calculation:	**Person 3**			
	Person 4			

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

Name: _____   Class: _____

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

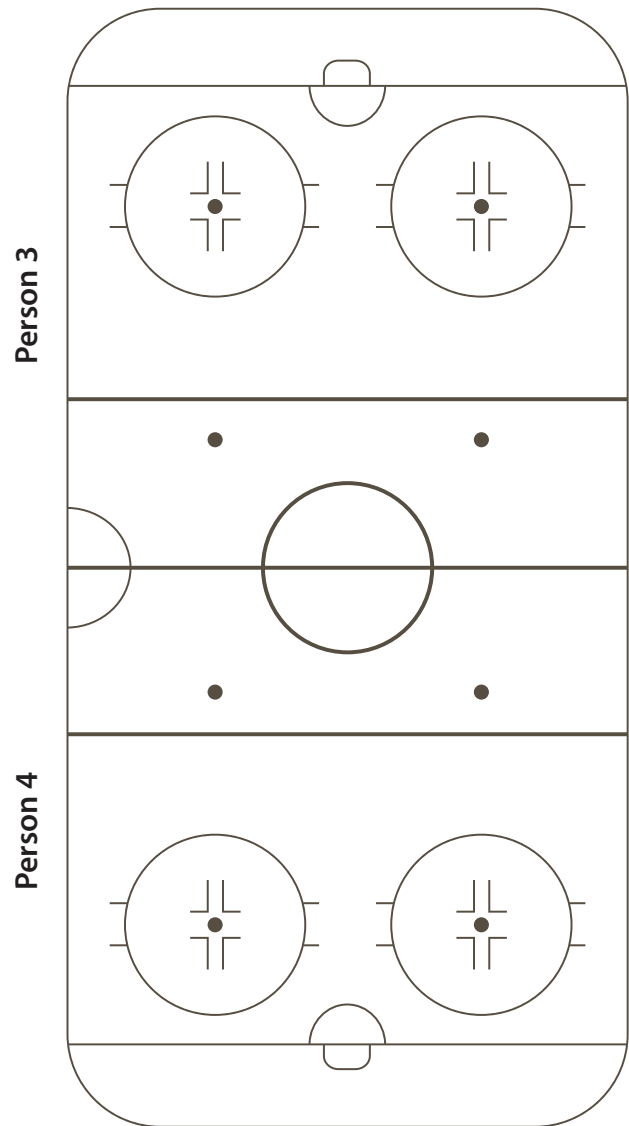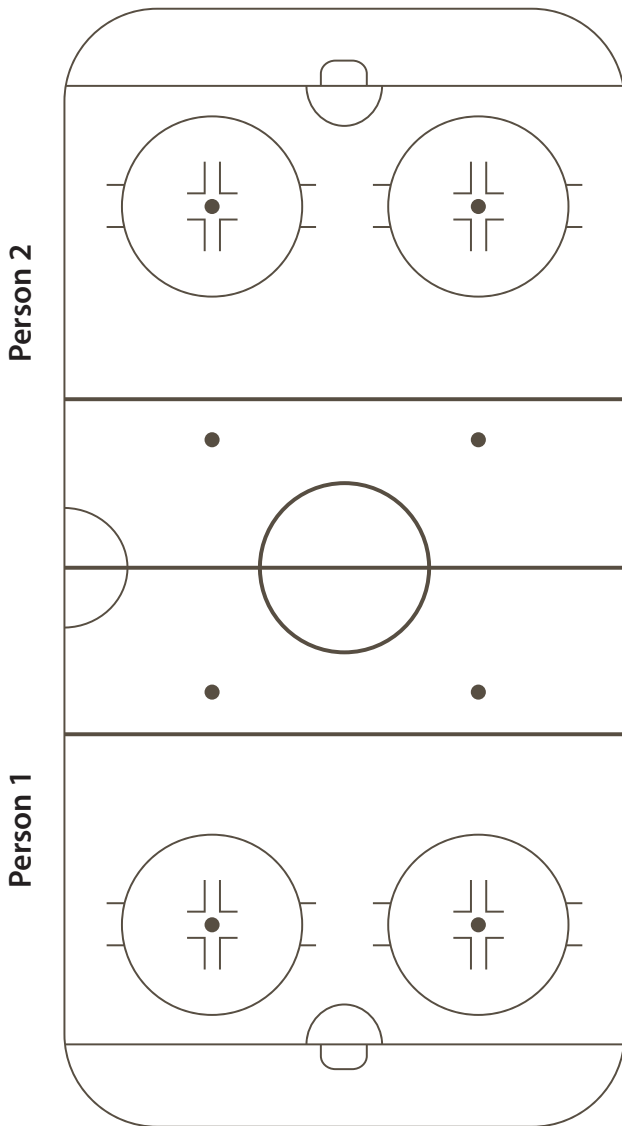| Shot Location 4		Shot 1	Shot 2	Shot 3
Side Lengths of Triangle:	**Person 1**			
Base = Height =	**Person 2**			
Area Calculation:	**Person 3**			
	Person 4			

Name: _____ Class: _____

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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.

Person 2

Person 1

Person 3

Person 4

Name: _____   Class: _____

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Extend

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

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

Reasoning: Justify your response.