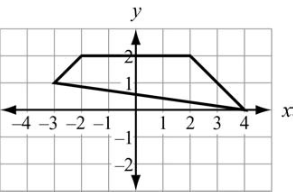
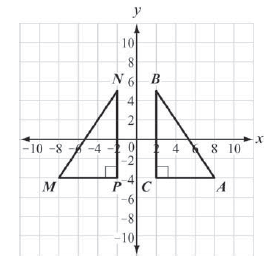
Unit 1 Transformations in the Coordinate Plane Extended Response NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw the image of the figure after a reflection in the x-axis.



Unit 2 Similarity and Congruence Extended Response

Is ΔMPN congruent to ΔABC? Explain

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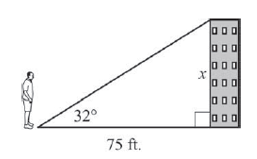
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Unit 3 Right Triangle Trig Extended Response

Ricardo is standing 75 feet away from the base of a building.    
The angle of elevation from the ground where Ricardo is standing    
to the top of the building is 32°. Explain how Ricardo can find   
the height of the building without measuring it. Use the information   
in the table to give an answer.  

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Unit 4 Circles and Volume Extended Response

Billy is creating a circular garden divided into 8 equal sections. The    
diameter of the garden is 12 feet. What is the area, in square feet, of one    
section of the garden? Use π = 3.14. Explain how you determined your answer.  

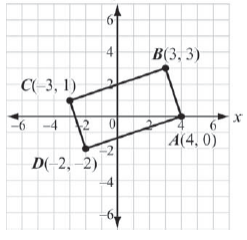
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Unit 5 Modeling Geometry Extended Response

Prove that ABCD is a rectangle.

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Unit 6 Probability Extended Response

Terry has a number cube with sides labeled 1 through 6. He rolls the number cube twice. What is the probability that the sum of the two rolls is a prime number, given that at least one of the rolls is a 3? Explain your process in solving the problem.

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