MathFLIX CHALLENGE

The Thorndale Street Art Fair is renting space for artists to sell their creations. A diagram of the display area is shown below. Each space (A, B, C, D and E) is labeled with measurements.
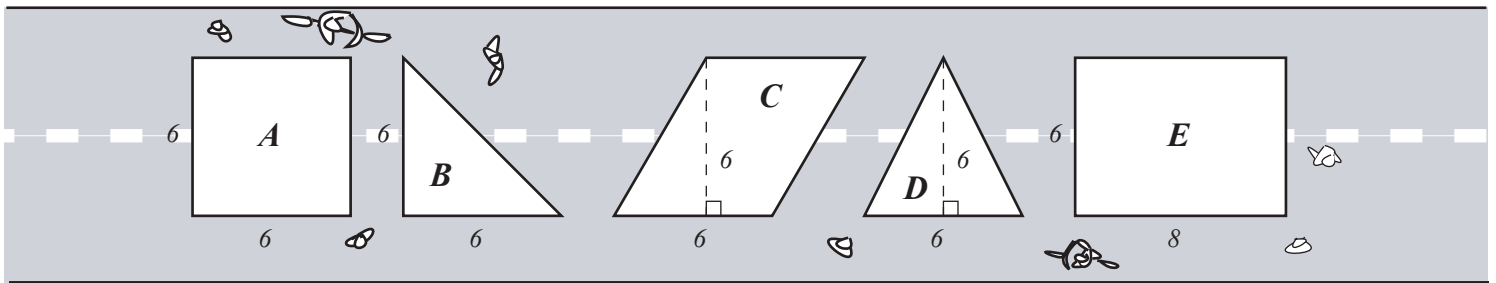
Mr. Dell wants to rent a space for Swift students to sell their work from his class. The Thorndale Art Fair charges $20 for each square foot of space per day. Mr. Dell is sure many of his students will want to participate. Which space (A, B, C, D or E) would cost Mr. Dell the most amount of money to rent for two weeks.

Use words, symbols or diagrams to solve the problem. Also, explain in words the steps you took to solve the problem and why you took those steps.

1. What do you see? (Areas A, B, C, D and E)
2. Do you think they are all the same size? Trace over each polygon so that you do not get confused with numbers and dotted lines.
3. Tell me about Shape A.
   - What is the type of polygon?   How many different names can you call it?(quadrilateral, parallelogram)
   - What is the base? (6 feet)
   - What is the height? (6 feet)
   - How do I know that the area is 36 square feet? (a = b x h)
4. Tell me about Shape B, C, D and E.
5. Which shape is smallest? Largest?
6. Read the question.
7. What is the answer to the question?

First I looked at the picture **because**_____

Second I traced over each of the polygons **because**_____

Third, I examined each polygon **because**_____

Next, I read the question **because**_____

I chose ____ **because**_____

Finally, I checked my work and labeled my answer **because** I wanted to get all 12 points on this answer.