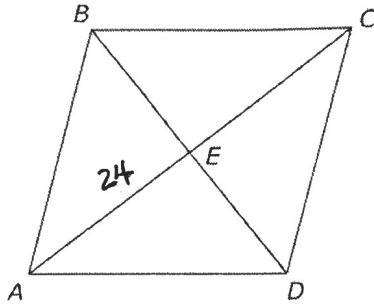


## Constructed Response

1. The figure shows parallelogram  $ABCD$  with  $AE = 24$  (Figure not drawn to scale.)



### Part A

Let  $BE = 3x + 6$  and let  $DE = 4x$ . What are the lengths of  $\overline{BE}$  and  $\overline{DE}$ ? Justify your answer.

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### Part B

What conclusion can be made regarding the specific classification of parallelogram  $ABCD$ ? Justify your answer. (hint: classification is a parallelogram, rectangle, square or rhombus)

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