

NAME: \_\_\_\_\_

*G.G.24: Determine the negation of a statement and establish its truth value*

1. fall0802ge, P.I. G.G.24

What is the negation of the statement "The Sun is shining"?

- [A] The Sun is not shining.  
[B] It is daytime. [C] It is not raining.  
[D] It is cloudy.

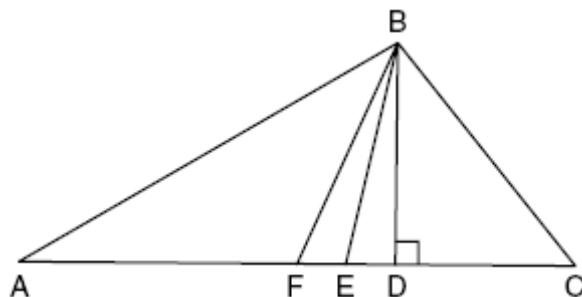
2. 080924ge, P.I. G.G.24

What is the negation of the statement "Squares are parallelograms"?

- [A] It is not the case that squares are parallelograms.  
[B] Parallelograms are not squares.  
[C] Parallelograms are squares.  
[D] It is not the case that parallelograms are squares.

3. fall0810ge, P.I. G.G.24

Given  $\triangle ABC$  with base  $\overline{AFEDC}$ , median  $\overline{BF}$ , altitude  $\overline{BD}$ , and  $\overline{BE}$  bisects  $\angle ABC$ , which conclusion is valid?



- [A]  $\overline{CF} \cong \overline{FA}$  [B]  $\angle ABF \cong \angle CBD$   
[C]  $\overline{CE} \cong \overline{EA}$  [D]  $\angle FAB \cong \angle ABF$

4. 080608b, P.I. G.G.24

In  $\triangle ABC$ ,  $D$  is a point on  $\overline{AC}$  such that  $\overline{BD}$  is a median. Which statement must be true?

- [A]  $\triangle ABD \cong \triangle CBD$  [B]  $\angle ABD \cong \angle CBD$   
[C]  $\overline{BD} \perp \overline{AC}$  [D]  $\overline{AD} \cong \overline{CD}$

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[1] A

[2] A

[3] A

[4] D