Common Formative Assessment: High School Geometry Team Example

Chapter 1 Test A

G.1.F. (definitions) _____/10 pts.

G.1.F. (postulates) _____/10 pts.

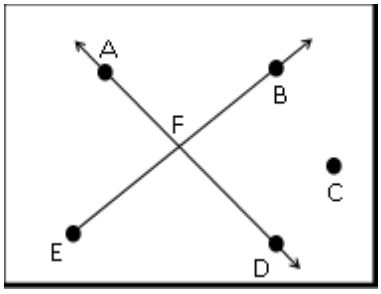
G.2.B. _____/7 pts.

G.2.D. _____/6 pts.

G.4.B. _____/5 pts.

G.1.F.(D) _____/10 pts.

1. Name each of the following using the diagram below. Use proper notation. (1 pt. each).

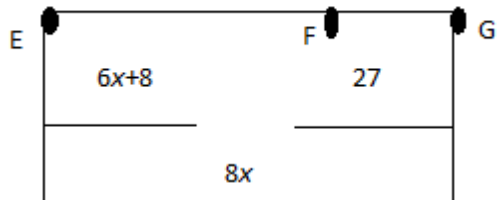


A plane: _____ Two Opposite Rays: _____ & _____

Source: White River School District. Used with permission.

G.1.F.(P) _____/3 pts.

2. *F* is between *E* and *G*. *EG* = 8x, *EF* = 6x + 8, and *FG* = 27. Find *EG*. (1 pt. work/1 pt. for x/1 pt. for *EG*)



G.1.F.(P) _____/4 pts.

3. *K* is the midpoint of $\overline{JL}$. *JK = 4x* and *KL = 2x + 6.* Find *JK*, *KL*, and *JL*. (1 pt. diagram, 1 pt. work, 1 pt. *JK*, .5 pt. *KL* and *JL*).

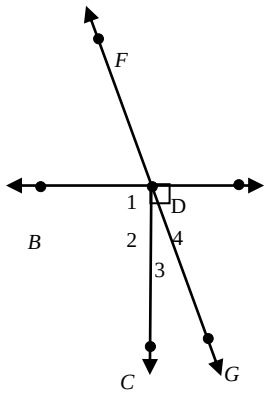
G.1.F.(P) _____/3 pts.

4. $\overrightarrow{BD}$ bisects ∠*ABC*, m∠*ABD* = (10x – 5)°, and m∠*DBC* = (7x + 1)°. Find m∠*ABD*. (1 pt. diagram, 1 pt. work, 1 pt. answer).

Source: White River School District. Used with permission.

G.2.B. _____/7 pts.

5. Name each of the following angles using the diagram below. Use proper notation in order to earn credit. (1 pt. each answer)



Only Adjacent angles: _____ & _____

A linear pair of angles: _____ & _____

Vertical angles: _____ & _____

Complementary angles: _____ & _____

Why are they complementary?

Supplementary angles: _____ & _____

Why are they supplementary?

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G.2.D. _____/6 pts.

6. Describe the intersection of the following scenarios by filling in the blanks below with the vocabulary word that best fits. Then sketch a diagram of the scenario to support your answer. (1 pt. answer/1 pt. sketch)

A) When two lines in the same plane intersect, they create a _____.

Sketch:

B) The intersection of two planes creates a _____.

Sketch:

C) A line intersecting a plane but not lying in the plane creates a _____.

Sketch:

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Intervention:

- Before school help
- STAT for directed intervention for students
- After school help
- Group work to go through corrections and example problems
- After unit activity to review main points of power standards
- Online textbook resources such as tutorials, and practice quizzes

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