

Geometry Blizzard Bag # 3

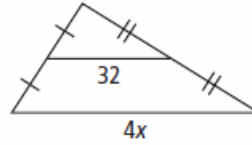
Name _____ Class _____ Date _____

Cumulative Review

Chapters 1–5

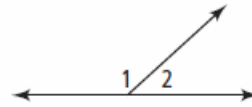
1. What is the value of x in the diagram at the right?

- A 4 C 16
 B 8 D 32



2. Which best describes $\angle 1$ and $\angle 2$?

- F vertical angles
 G corresponding angles
 H alternate exterior angles
 I linear pair

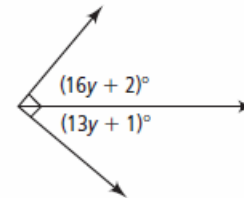


3. Which side lengths would not make a triangle?

- A 3, 4, 5 B 3, 6, 2 C 8, 8, 8 D 10, 25, 30

4. What is the value of y in the diagram at the right?

- F 90 H 6
 G 29 I 3



5. What is the next number in the sequence?

8, -3, 5, -6, 2, -9, ...

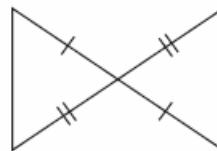
- A -20 B -1 C 1 D 8

6. Which is not a point of concurrency in a triangle?

- F incenter G orthocenter H altitude I centroid

7. How can you prove that the two triangles at the right are congruent?

- A SSS C SAS
 B ASA D AAS



8. Which line is perpendicular to $3x + 5y = 2$?

- F $5x - 3y = -3$ G $3x - 5y = -3$ H $x - 3y = 3$ I $3x + 5y = -3$