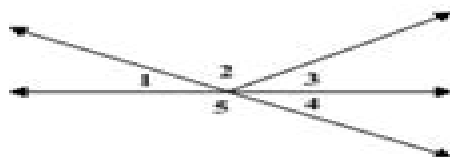


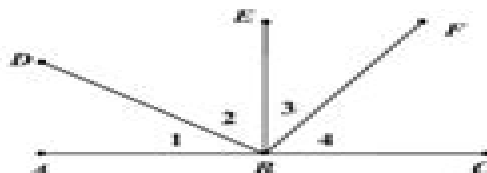
Geometry Semester 1 Practice Exam

1. Use the figure below.



Which best describes the pair of angles: $\angle 4$ and $\angle 5$?

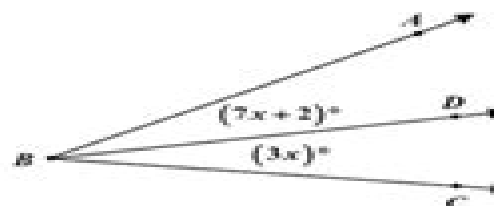
- A. vertical
 - B. adjacent
 - C. linear pair
 - D. complementary
2. In the diagram below, $\angle DBF$, $\angle EBC$, and $\angle EBA$ are right angles.



Which best describes the pair of angles: $\angle 1$ and $\angle 4$?

- A. vertical
- B. adjacent
- C. supplementary
- D. complementary

3. In the diagram below, $m\angle ABC = 42^\circ$.



What is the value of x ?

- A. 2
- B. $3\frac{1}{2}$
- C. 4
- D. $4\frac{2}{5}$

4. In the figure below, Y is between X and Z and $XZ = 40$ cm.



What is the value of a ?

- A. 4
- B. 8
- C. 12
- D. 16

5. What is the distance between points $A(-2, -6)$ and $B(-2, -3)$?

- A. 3
- B. $\sqrt{41}$
- C. 9
- D. $\sqrt{89}$

Answers Plato Semester 2 Geometry Exam

Ying-Ying Zheng



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