Name:\_\_\_\_\_\_\_\_\_\_\_\_\_

Basics of Geometry Review

Use the figure at the right to answer the questions below.

A

B

C

D

E

F

G

H

|  |  |
| --- | --- |
| Name the plane represented by the given surface of the box.1. top: \_\_\_\_\_\_\_ 2. back: \_\_\_\_\_\_\_3. Shade the plane that contains the points $G, F, A$, and $D$.4. Is point $H$ coplanar with points $G, F, E$?5. Are D, C, A, F coplanar? Explain |  |

6. Are $\vec{XY}$ and $\vec{YX}$ the same? Explain.

7. How many unique rays are in the below picture? **Name them**

R

S

T

U

Use the figure to answer the below questions

A

B

C

D

E

8. How many unique segments are in the figure?

|  |  |  |  |
| --- | --- | --- | --- |
| A) 16 | B) 8 | C) 6 | D) 10 |

9. What is another name for $\vec{CA}$?

|  |  |  |  |
| --- | --- | --- | --- |
| A) $\vec{AC}$ | B) $\vec{CB}$ | C) $\vec{CE}$ | D) $\vec{DC}$ |

10. What is the difference between collinear and coplanar?

11. Define an angle.

12. In the triangle ABC, name the rays that form <A



13. Name all the angles that have R as a vertex.

R

I

C

K

•

•

•

•

1. 2

14. What are supplementary angles? What are complementary angles?