Identifying and Naming Basic Figures

Fill in the blanks. **EXAMPLE:**

|  |  |  |  |  |  |
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|  | Name1:  *B .* |  | Name1:$\overbar{RS}$ *.*Name2:$\overbar{SR}$ *.*“Measure of…”: *RS* or *SR ..* |  | Name1:$\vec{DE}$ *.* |
| The figure is a(n)  POINT .It is formed by 1 point(s). | The figure is a(n)  SEGMENT .It is formed by 2 point(s). | The figure is a(n)  RAY .It is formed by 2 point(s). |
|  | Name1:$\overleftrightarrow{KL}$ *.*Name2:$\overleftrightarrow{LK}$ *.*Name3: *line m .* |  | Name1: *FGH .*Name2: *FHG .*Name3: *GFH .*Name4: *GHF .*Name5: *HFG .*Name6: *HGF .*Name7: *P .* |  | Name1:$∠TUV$ *.*Name2:$∠VUT$ *.*Name3:$∠U$ *.*Name4:$∠3$ *.* “Measure of…”: *m*$∠TUV$*, m*$∠VUT$*,*  *m*$∠U$or *m*$∠3$ *.* |
| The figure is a(n)  LINE .It is formed by 2 point(s). | The figure is a(n)  PLANE .It is formed by 3 point(s). | The figure is a(n)  ANGLE .It is formed by 3 point(s). |

**YOUR TURN:**

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|  | Name1: \_\_\_\_\_\_\_\_\_\_Name2: \_\_\_\_\_\_\_\_\_\_Name3: \_\_\_\_\_\_\_\_\_\_ |  | Name1: \_\_\_\_\_\_\_\_\_\_ |  | Name1: \_\_\_\_\_\_\_\_\_\_Name2: \_\_\_\_\_\_\_\_\_\_“Measure of…”:\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ |
| 1. The figure is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_.It is formed by \_\_\_\_\_\_ point(s). | 2. The figure is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_.It is formed by \_\_\_\_\_\_ point(s). | 3. The figure is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_.It is formed by \_\_\_\_\_\_ point(s). |
|  | Name1: \_\_\_\_\_\_\_\_\_\_ |  | Name1: \_\_\_\_\_\_\_\_\_\_  |  | Name1: \_\_\_\_\_\_\_\_\_\_Name2: \_\_\_\_\_\_\_\_\_\_ Name3: \_\_\_\_\_\_\_\_\_\_Name4: \_\_\_\_\_\_\_\_\_\_“Measure of…”:\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ |
| 4. The figure is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_.It is formed by \_\_\_\_\_\_ point(s). | 5. The figure is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_.It is formed by \_\_\_\_\_\_ point(s). | 6. The figure is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_.It is formed by \_\_\_\_\_\_ point(s). |
|  | Name1: \_\_\_\_\_\_\_\_\_\_Name2: \_\_\_\_\_\_\_\_\_\_Name3: \_\_\_\_\_\_\_\_\_\_Name4: \_\_\_\_\_\_\_\_\_\_Name5: \_\_\_\_\_\_\_\_\_\_Name6: \_\_\_\_\_\_\_\_\_\_Name7: \_\_\_\_\_\_\_\_\_\_ |  | Name1: \_\_\_\_\_\_\_\_\_\_Name2: \_\_\_\_\_\_\_\_\_\_Name3: \_\_\_\_\_\_\_\_\_\_Name4: \_\_\_\_\_\_\_\_\_\_“Measure of…”:\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ |  | Name1: \_\_\_\_\_\_\_\_\_\_Name2: \_\_\_\_\_\_\_\_\_\_Name3: \_\_\_\_\_\_\_\_\_\_Name4: \_\_\_\_\_\_\_\_\_\_Name5: \_\_\_\_\_\_\_\_\_\_Name6: \_\_\_\_\_\_\_\_\_\_Name7: \_\_\_\_\_\_\_\_\_\_ |
| 7. The figure is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_.It is formed by \_\_\_\_\_\_ point(s). | 8. The figure is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_.It is formed by \_\_\_\_\_\_ point(s). | 9. The figure is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_.It is formed by \_\_\_\_\_\_ point(s). |
|  | Name1: \_\_\_\_\_\_\_\_\_\_Name2: \_\_\_\_\_\_\_\_\_\_Name3: \_\_\_\_\_\_\_\_\_\_ |  | Name1: \_\_\_\_\_\_\_\_\_\_ |  | Name1: \_\_\_\_\_\_\_\_\_\_Name2: \_\_\_\_\_\_\_\_\_\_“Measure of…”:\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ |
| 10. The figure is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_.It is formed by \_\_\_\_\_\_ point(s). | 11. The figure is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_.It is formed by \_\_\_\_\_\_ point(s). | 12. The figure is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_.It is formed by \_\_\_\_\_\_ point(s). |

**COLLINEAR** means “on the same line (straight path).”

**NON-COLLINEAR** means “NOT on the same line (straight path).”

**COPLANAR** means “on the same plane (flat surface).”

**NON-COPLANAR** means “NOT on the same plane (flat surface).”

**Use the image of a table on a flat surface below and the definitions given above to answer each question.**

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| 13. What point is **collinear** with  *A* & *C? \_\_\_\_\_\_* | 14. What point is **collinear** with  *M* & *D? \_\_\_\_\_\_* | 15. What points are **coplanar** with  *A, B* & *C? \_\_\_\_\_\_ & \_\_\_\_\_\_* |
| 16. What points are **non-collinear**  with *A* & *C? \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_,*  *\_\_\_\_\_\_, \_\_\_\_\_\_ & \_\_\_\_\_\_* | 17. What points are **non-collinear**  with *M* & *B? \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_,*  *\_\_\_\_\_\_, \_\_\_\_\_\_ & \_\_\_\_\_\_* | 18. What points are **non-collinear**  with *E* & *F? \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_,*  *\_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_ & \_\_\_\_\_\_* |
| 19. What points are **non-coplanar**  with *A, B* & *C? \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_,*  *& \_\_\_\_\_\_* | 20. What points are **non-coplanar**  with *E, F* & *H? \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_,*  *\_\_\_\_\_\_, & \_\_\_\_\_\_* | 21. What points are **non-coplanar**  with *C, A* & *H? \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_,*  *\_\_\_\_\_\_, & \_\_\_\_\_\_**Hint: Imagine a triangle connecting those three points. What other points would not be on or in that triangle?* |