Identifying and Naming Basic Figures

Fill in the blanks. **EXAMPLE:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Name1:  *B .* |  | Name1: *.*  Name2: *.*  “Measure of…”:  *RS* or *SR ..* |  | Name1: *.* |
| 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: *.*  Name2: *.*  Name3: *line m .* |  | Name1: *FGH .*  Name2: *FHG .*  Name3: *GFH .*  Name4: *GHF .*  Name5: *HFG .*  Name6: *HGF .*  Name7: *P .* |  | Name1: *.*  Name2: *.*  Name3: *.*  Name4: *.*  “Measure of…”:  *m, m,*  *m* or *m .* |
| 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?* |