Analyzing Lines, Rays, Segments and Angles Name:

Solve each problem.

Use the graphic to the right to find the following (if possible):

1) A Segment _____

2) Parallel Lines _____

3) Perpendicular Lines _____

4) A Line _____

5) Intersecting Lines _____

6) A Ray _____

Use the graphic to the right to find the following (if possible):

7) Acute Angle _____

8) Obtuse Angle _____

9) Right Angle _____

10) Straight Angle _____

Use the dot matrix to draw the following:

11) Ray $\overrightarrow{AB}$

12) Ray $\overrightarrow{AC}$ perpendicular to ray $\overrightarrow{AB}$

13) line $\overrightarrow{DE}$ intersecting ray $\overrightarrow{AC}$

14) Segment $\overline{EF}$ perpendicular to ray $\overrightarrow{AB}$

15) Angle $\angle EFG$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. graph
12. graph
13. graph
14. graph
15. graph

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Analyzing Lines, Rays, Segments and Angles Name: **Answer Key**

Solve each problem.

Use the graphic to the right to find the following (if possible):

1) A Segment $\overline{AB}$,$\overline{BC}$,$\overline{AD}$,$\overline{DE}$,$\overline{EF}$,$\overline{CF}$

2) Parallel Lines $(\overleftrightarrow{A}$ &$\overleftrightarrow{B}$),($\overleftrightarrow{B}$ &$\overleftrightarrow{C}$),($\overleftrightarrow{A}$ &$\overleftrightarrow{D}$),($\overleftrightarrow{D}$ &$\overleftrightarrow{E}$),($\overleftrightarrow{E}$ &$\overleftrightarrow{F}$),($\overleftrightarrow{C}$ &$\overleftrightarrow{F}$)

3) Perpendicular Lines $(\overleftrightarrow{AD}$ &$\overleftrightarrow{DF}$),($\overleftrightarrow{CF}$ &$\overleftrightarrow{DF}$)

4) A Line $\overleftrightarrow{AD}$,$\overleftrightarrow{CF}$,$\overleftrightarrow{DF}$

5) Intersecting Lines $(\overleftrightarrow{AD}$ &$\overleftrightarrow{DF}$),($\overleftrightarrow{CF}$ &$\overleftrightarrow{DF}$)

6) A Ray $\overrightarrow{AD}$,$\overrightarrow{CF}$,$\overrightarrow{DA}$,$\overrightarrow{ED}$,$\overrightarrow{EF}$,$\overrightarrow{FC}$, $\overrightarrow{DF}$,$\overrightarrow{FD}$

Use the graphic to the right to find the following (if possible):

7) Acute Angle ∠AED ,∠EAD ,∠EBC

8) Obtuse Angle ∠ABC

9) Right Angle ∠ADE

10) Straight Angle ∠ABE

Use the dot matrix to draw the following:

11) Ray $\overrightarrow{AB}$

12) Ray $\overrightarrow{AC}$ perpendicular to ray $\overrightarrow{AB}$

13) line $\overrightarrow{DE}$ intersecting ray $\overrightarrow{AC}$

14) Segment $\overline{EF}$ perpendicular to ray $\overrightarrow{AB}$

15) Angle ∠EFG

Answers

1. $\overline{AB}$
2. $(\overleftrightarrow{A}$ &$\overleftrightarrow{B}$)
3. $(\overleftrightarrow{AD}$ &$\overleftrightarrow{DF}$)
4. $\overleftrightarrow{AD}$
5. $(\overleftrightarrow{AD}$ &$\overleftrightarrow{DF}$)
6. $\overrightarrow{AD}$
7. ∠AED
8. ∠ABC
9. ∠ADE
10. ∠ABE
11. graph
12. graph
13. graph
14. graph
15. graph

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1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					