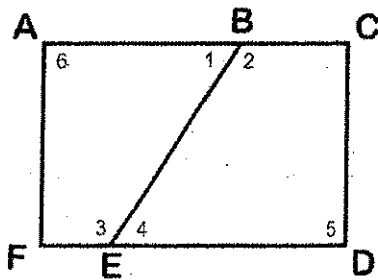


Fill in the blanks with the appropriate definition and notation.

	<u>definition</u>	<u>notation</u>
1. Parallel Lines	<u>D</u>	<u>1</u>
2. Line Segment	<u>A</u>	<u>4</u>
3. Circle	<u>E</u>	<u>3</u>
4. Point	<u>G</u>	<u>7</u>
5. Perpendicular Lines	<u>F</u>	<u>2</u>
6. Ray	<u>C</u>	<u>5</u>
7. Angle	<u>B</u>	<u>6</u>

A. part of a line bounded by two distinct endpoints	
B. formed where two lines or rays share an endpoint	
C. a portion of a line that starts at a point and continues to infinity	
D. two lines that have unique points and never cross	
E. the set of points on a plane at a certain distance, or radius from a single point, the center	
F. creates four right angles	
G. an exact position or location in a given plane	
1. $AB \parallel CD$	2. $AB \perp CD$
3. $\odot B$	4. \overline{AB}
5. \overline{AB}	6. $\angle ABC$
7. A	

Name the following angles with the correct notation.



8. $\angle 1$ $\angle ABE$ 9. $\angle 2$ $\angle EBC$ 10. $\angle 3$ $\angle FEB$
 11. $\angle 4$ $\angle BED$ 12. $\angle 5$ $\angle CDE$ 13. $\angle 6$ $\angle FAB$

14. Solve for x if $\angle 1$ and $\angle 2$ are complimentary. Then find each angle measure.

$\angle 1 = x - 7$
 $\angle 2 = 4x + 2$

$\angle 1 + \angle 2 = 90^\circ$

$x - 7 + 4x + 2 = 90^\circ$

$5x - 5 = 90$

$5x = 95$ $x = 19$

$\angle 1 = 19 - 7$

$\angle 1 = 12$

$\angle 2 = 4(19) + 2$

$\angle 2 = 78$

15. Solve for x if $\angle 1$ and $\angle 2$ are supplementary. Then find each angle measure.

$\angle 1 = 10x - 1$
 $\angle 2 = 7x + 11$

$\angle 1 + \angle 2 = 180^\circ$

$10x - 1 + 7x + 11 = 180^\circ$

$17x + 10 = 180$

$17x = 170$ $x = 10$

$\angle 1 = 10(10) - 1$

$\angle 1 = 99$

$\angle 2 = 7(10) + 11$

$\angle 2 = 81$

16. Solve for x if $\angle 1$ and $\angle 2$ are congruent. Then find each angle measure.

$\angle 1 = 2x + 1$
 $\angle 2 = 6x - 7$

$2x + 1 = 6x - 7$

$\angle 1 = 2(2) + 1$

$\angle 1 = 5$

$1 = 4x - 7$

$\angle 2 = 6(2) - 7$

$\angle 2 = 5$

$8 = 4x$