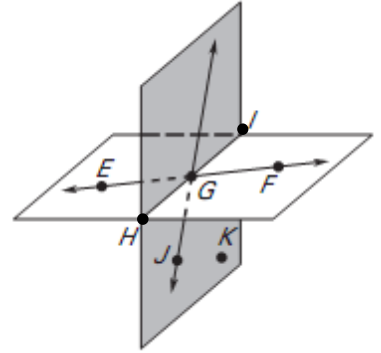


Geometry: Review 1.1-1.3

Name \_\_\_\_\_

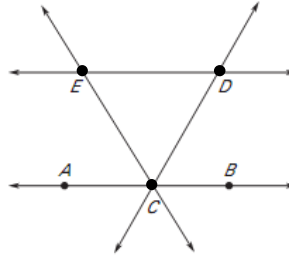
Use the diagram to decide whether the given statement is *true* or *false*.

- Points  $H$ ,  $I$ , and  $G$  are collinear.
- $\overrightarrow{EG}$  and  $\overrightarrow{FG}$  are opposite rays.
- The intersection of  $\overleftrightarrow{EF}$  and plane  $JKH$  is  $\overleftrightarrow{HI}$ .
- The intersection of plane  $EGH$  and plane  $JGI$  is point  $G$ .



Use the diagram.

- Name 12 different rays.
- Name 3 lines that intersect at point  $C$ .

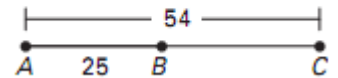


Measure the length of the segment to the nearest tenth of a centimeter.



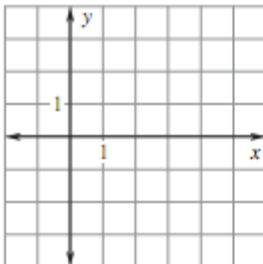
9. Use the Segment Addition Postulate to find the indicated length.

Find  $BC$ .

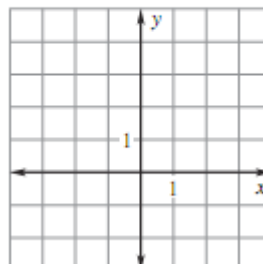


Plot the given points in a coordinate plane. Then determine whether the line segments named are congruent.

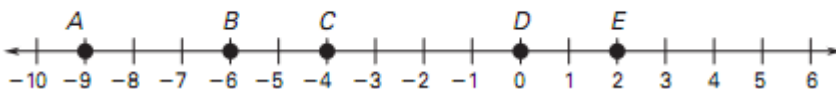
10.  $A(2, 2)$ ,  $B(4, 2)$ ,  $C(-1, -1)$ ,  $D(-1, 1)$ ;  
 $\overline{AB}$  and  $\overline{CD}$



11.  $E(-3, 4)$ ,  $F(-1, 4)$ ,  $G(2, 4)$ ,  $H(-1, 1)$ ;  
 $\overline{EG}$  and  $\overline{FH}$



Use the number line to find the indicated distance.



12. AB

13. CD

14. CE

15. BE

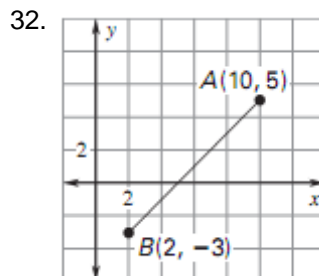
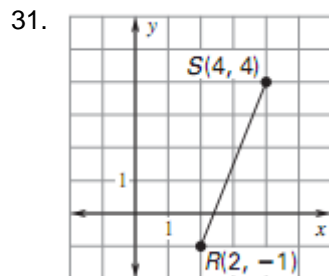


Use the given endpoint  $R$  and midpoint  $M$  of  $\overline{RS}$  to find the coordinates of the other endpoints.

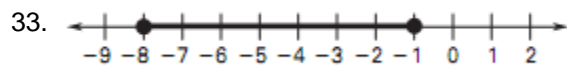
29.  $R(3, 4), M(3, -2)$

30.  $R(11, -5), M(-4, -4)$

Find the length of the segment. Round to the nearest tenth of a unit.



Find the length of the segment. Then find the coordinates of the midpoint of the segment.



The endpoints of two segments are given. Find each segment length. Tell whether the segments are congruent.

34.  $\overline{RS}: R(5, 4), S(0, 4)$

35.  $\overline{OP}: O(6, -2), P(3, -2)$

$\overline{TU}: T(-4, -3), U(-1, 1)$

$\overline{QR}: Q(5, 2), R(1, 5)$

36. Draw four collinear points  $W, X, Y,$  and  $Z,$  so that  $\overrightarrow{ZX}$  and  $\overrightarrow{ZY}$  are the same ray and  $\overline{WZ}$  and  $\overline{ZX}$  are congruent.  
**USE A STRAIGHT EDGE!**