





For 1 and 2 find the length of each segment. Tell whether the segments are congruent.

- $\overline{AC}$  and  $\overline{BD}$
- $\overline{AD}$  and  $\overline{BE}$

3. Using the number line above, find the midpoint of  $\overline{AD}$ .

- Find PD if the coordinate of P is -7 and the coordinate of D is -1.
- Find SK if the coordinate of S is 17 and the coordinate of K is -5.
- Find the coordinate of B if  $AB = 8$  and the coordinate of A is -2.
- Find the coordinate of X if  $XY = 1$  and the coordinate of Y is 0.

In the diagram of collinear points,  $GK = 24$ ,  $HJ = 10$ , and  $GH = HI = IJ$ . Find each length.



- HI
- JK
- IG
- IK

Write the Segment Addition Postulate for the points described.

- S is between D and P
- J is between S and H
- C is between Q and R
- T is between M and N

5) Find RS

5) Find MN

6) Find LM

6) Find SR

7) Find ED

7) Find PU

8) Find HI

8) Find CB

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**Segment Addition Task Cards Answer Sheet**

1. AC = 12	x = 15	x = 26	x =
2. DE =	LM =	NP =	UX =
3. RS = 13	x = 20	x = 27	x =
4. LM =	ST =	LM =	MC =
5. AC = 14	x = 21	x = 28	x =
6. EF =	BC =	HI =	PR =
7. ST = 15	x = 22	x = 29	x =
8. MN =	ST =	BC =	HI =
9. x = 16	x = 23	x = 30	x =
10. x =	LM =	OS =	AC =
11. x = 17	x = 24	x = 31	x =
12. x =	CE =	MZ =	PM =
13. x = 18	x = 25	x = 32	x =
14. x =	XZ =	MN =	AB =

