

Chapter 1 INTRODUCTION TO GEOMETRY

Pages 7-8 (Section 1.1)

1 \overleftrightarrow{AB} , \overleftrightarrow{BA} , line l 2 $\angle CED$, $\angle DEC$, $\angle E$, $\angle 7$ 3 No

4 \overline{RS} , \overline{ST} , \overline{TR} 5 a B b \overleftrightarrow{AC} or $\angle CEA$ c E d \emptyset e \overline{EC}
 f $\angle ABC$ g $\triangle BEC$ 6 a $\angle RPO$, $\angle RPS$, $\angle SPR$ b O c 3
 d $\angle TSO$, $\angle PST$, $\angle OST$ e 8

9 J

10 a $A = lw$

$$= (2.5)(8.6)$$

$$= 21.5 \text{ sq cm}$$

b $P = 2l + 2w$

$$= 2(2.5) + 2(8.6)$$

$$= 22.2 \text{ cm}$$

11 a $\overline{HK} = \overline{HJ} = 15$, $\overline{JK} = \frac{1}{2}(15)$

$$P = 15 + 15 + 7\frac{1}{2}$$

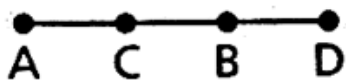
$$P = 37\frac{1}{2}$$

b $P = 4x + 3x + 2x$

$$63 = 9x$$

$$7 = x, 4x = 28$$

12



13

