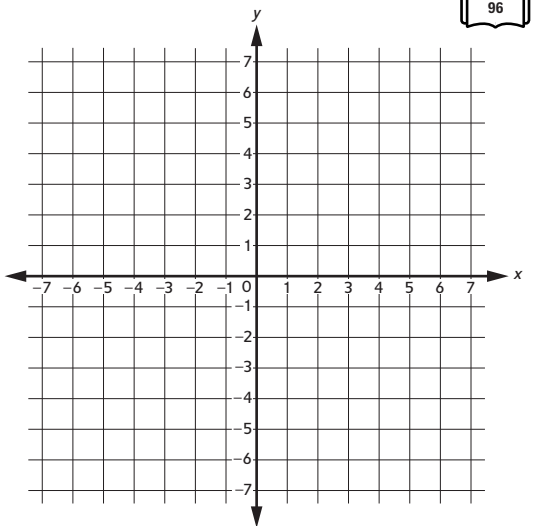
Polygon Side Lengths

Home Link 5-1

NAME DATE TIME

(1) Find any missing coordinates. Plot and label the points on the coordinate grid. Draw the polygon by connecting the points.

SRB 96



a. Rectangle *ABCD*

A: (1, 1) *B*: (−1, 1)

The length of $\overline{BC}$ is represented by

|1| + |−4| = _____.

C: (_____, _____)

D: (_____, _____)

b. Right triangle *XYZ*

X: (−5, 1) *Z*: (−3, 6)

The length of $\overline{ZY}$ is represented by |6| − |1| = _____.

The length of $\overline{XY}$ is represented by |−5| − |−3| = _____.

Y: (_____, _____)

(2) Use rectangle *ABCD* and triangle *XYZ* to fill in the following tables. The first row has been done as an example.

Horizontal Sides	Segment Endpoints	Length Expression	Length
$\overline{AB}$	(1, 1) and (−1, 1)	|−1| + |1|	2

Vertical Sides	Segment Endpoints	Length Expression	Length

Practice Divide. Write any remainders using R.

(3) $6\overline{)7{,}329}$ (4) $73\overline{)3{,}285}$ (5) $38\overline{)8{,}398}$ (6) $128\overline{)2{,}310}$