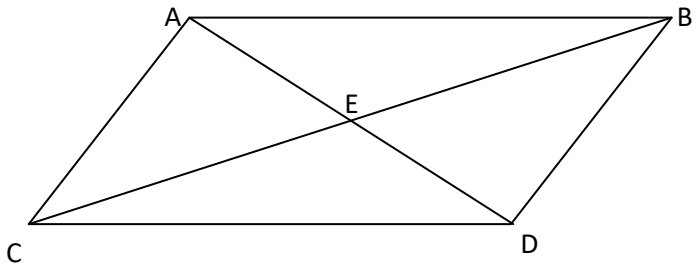
Topic 19 Practice Quiz

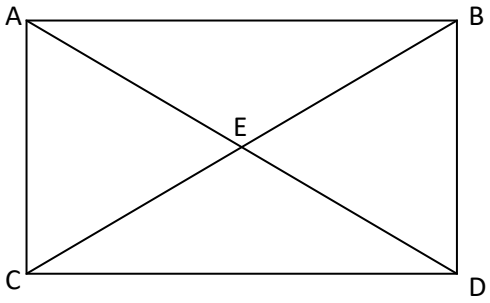
1) Given Parallelogram ABCD with $\overline{AE}$ = 4x $\overline{AD}$ = 6x+10 $\overline{CE}$ = 6x+22 $\overline{BE}$ = 10x+2



What are the lengths of: $\overline{CE}$ = $\overline{BE}$ = $\overline{AE}$ = $\overline{DE}$ =

$\overline{CB}$ = $\overline{AD}$ =

2) Given rectangle ABCD with $\overline{AC}$ = 6y-2 $\overline{BD}$ = 2y+10 $\overline{AD}$ = 5x-7 $\overline{EB}$ = 2x+20

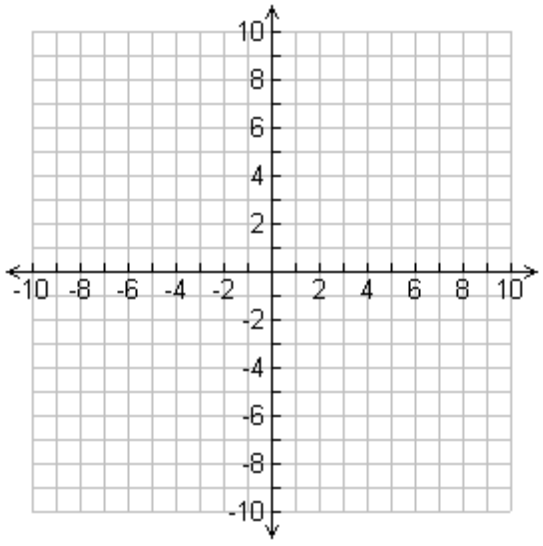


What are the lengths of: $\overline{BD}$ = $\overline{AC}$ = $\overline{CE}$ = $\overline{BE}$ =

$\overline{AE}$ = $\overline{DE}$ = $\overline{CB}$ = $\overline{AD}$ =

3) Given points A (-3, 2) B (3,5) C (9,2) D (3,-1)

a) Do the diagonals meet at a right angle? Why?



b) Do the diagonals bisect each other? Why?

c) What is the perimeter of the shape?