

Answers

1. 3 ft

2. 20 ft

3. $\angle A$ and $\angle K$, $\angle B$ and $\angle L$,
 $\angle C$ and $\angle M$; Side AB and
Side KL , Side BC and Side LM ,
Side AC and Side KM

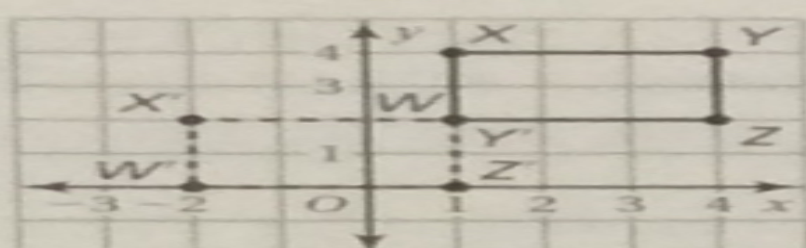
4. $\angle R$ and $\angle W$, $\angle Q$ and $\angle X$,
 $\angle T$ and $\angle Y$, $\angle S$ and $\angle Z$;
Side RQ and Side WX , Side QT
and Side XY , Side TS and Side
 YZ , Side SR and Side WZ

Answers

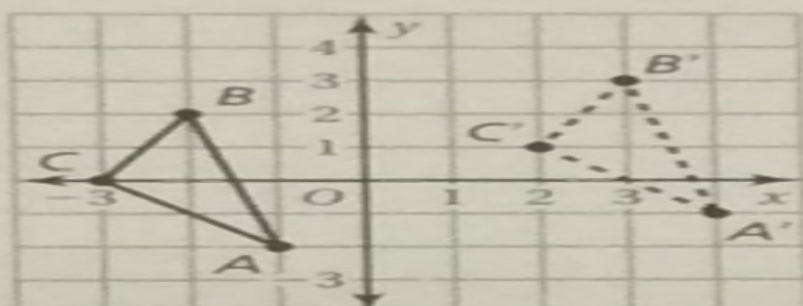
5. no

6. yes

7.



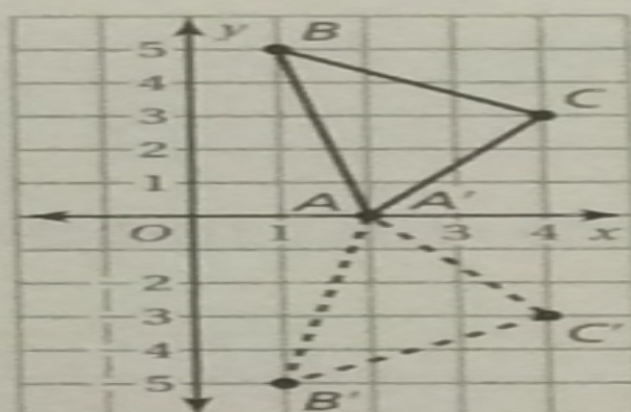
8.



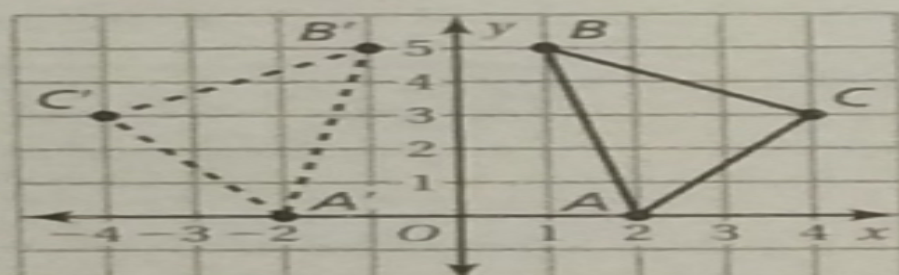
9. no

10. yes

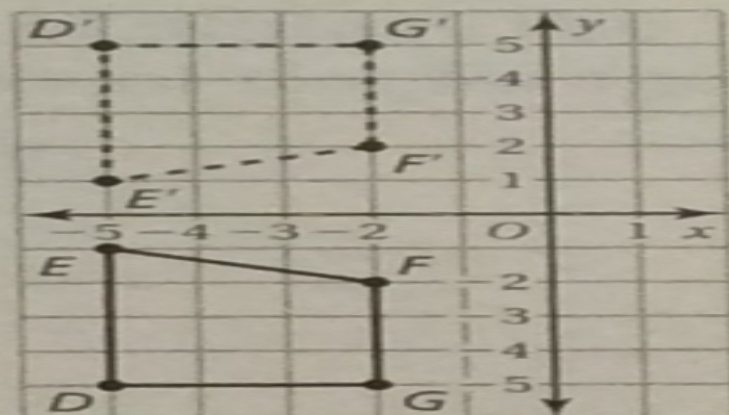
11. a.



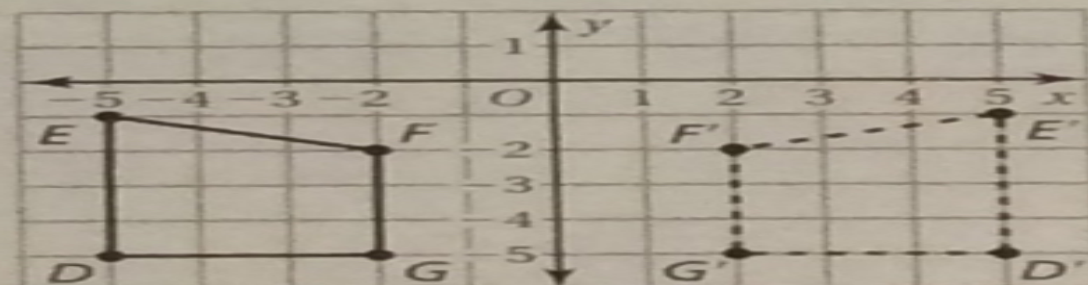
b.



12. a.



b.



13. $E'(2, -1)$, $F'(2, -3)$,
 $G'(-2, -3)$, $H'(-2, -1)$

Answers

14. no

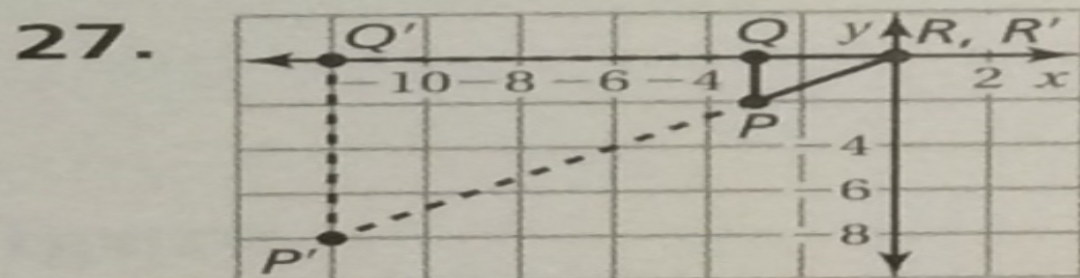
15. yes; 180° counterclockwise
or clockwise

16. $A'(4, -2)$, $B'(2, -2)$, $C'(3, -4)$

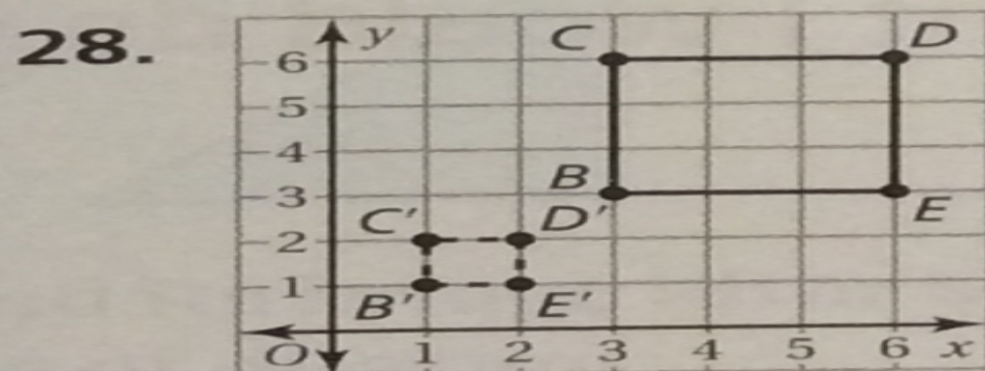
17. $A'(-2, -4)$, $B'(-2, -2)$,
 $C'(-4, -3)$

Answers

18. no; The lengths of corresponding sides are not proportional.
19. yes; The lengths of corresponding sides are proportional and corresponding angles are congruent.
20. 10 in.
21. 9 cm
22. $\frac{3}{4}; \frac{9}{16}$
23. $\frac{7}{4}; \frac{49}{16}$
24. 9 : 16
25. no
26. yes



enlargement



reduction

29. $Q''(-4, 2)$, $R''(14, 2)$,
 $S''(14, -7)$, $T''(-4, -7)$