

pp. 91-95 #1-24 (skip #14-17)

1. 3 ft

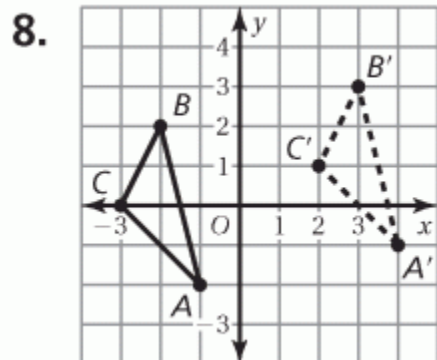
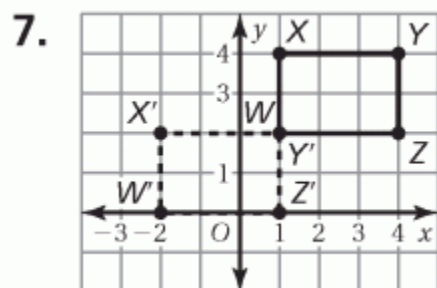
2. 20 ft

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

5. no

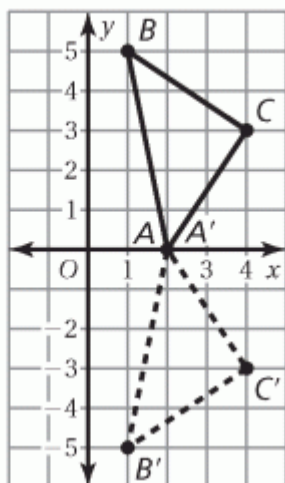
6. yes



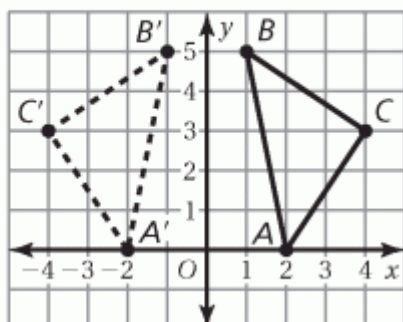
9. no

10. yes

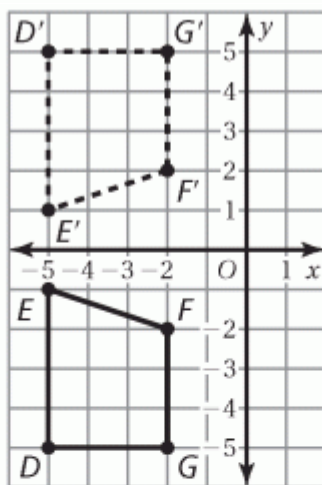
11. a.



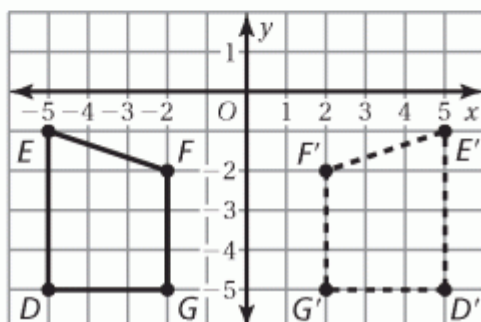
b.



12. a.



b.



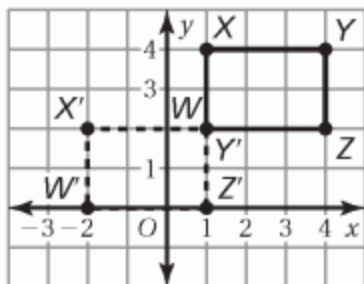
13. $E'(2, -1)$, $F'(2, -3)$,
 $G'(-2, -3)$, $H'(-2, -1)$

- 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

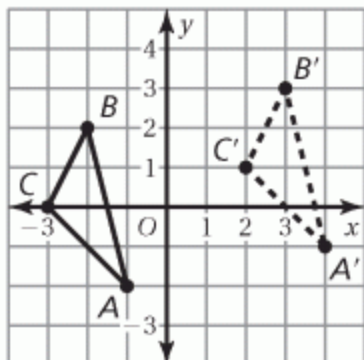
1. 3 ft

- 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
- 5. no
- 6. yes

7.



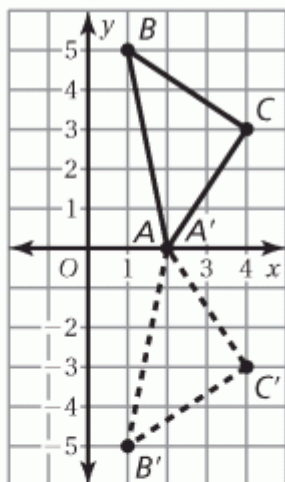
8.



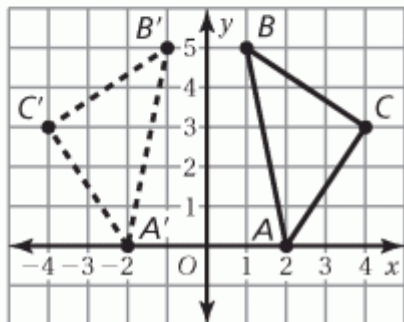
9. no

10. yes

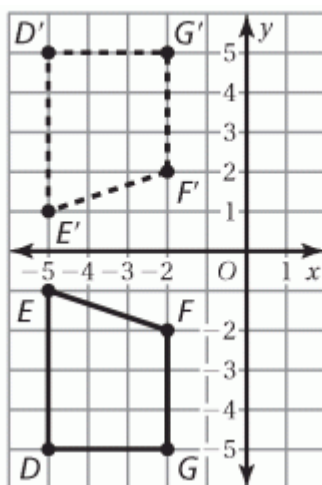
11. a.



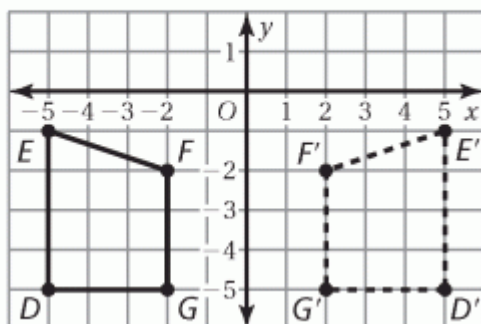
b.



12. a.



b.



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

14. no

15. yes; 180° counterclockwise
or clockwise

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

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

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. $9:16$