

1. 6
2. 7ft. 10.5 in.
3. C
4. J
5. A
6. $A'(1.5, 1.5)$; $B'(3, 6)$; $C'(4.5, 13.5)$
7. Not \sim ; sides not proportional
8. C
9. B
10. No; sides of angle E not proportional
11. C
12. D
13. 9ft. 7.5 in.
14. 181.25 ft.
15. J
16. F
17. $D(-20, 0)$; $SF = 4:3$
18. $\sqrt{5}$; $2\sqrt{5}$; 3; 6; $SF = \frac{1}{2}$