

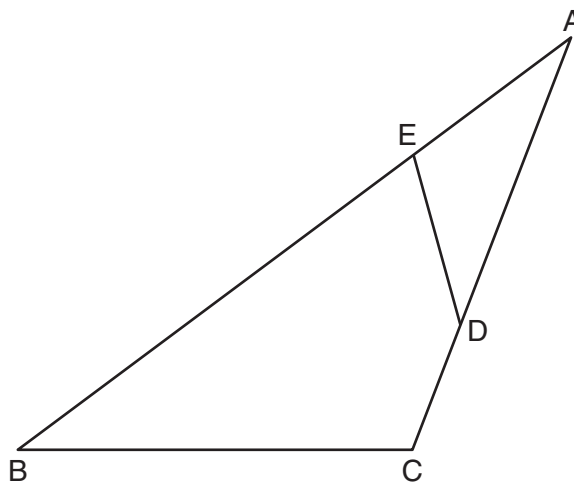
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1. (1) (2) (3) (4)	9. (1) (2) (3) (4)	17. (1) (2) (3) (4)
2. (1) (2) (3) (4)	10. (1) (2) (3) (4)	18. (1) (2) (3) (4)
3. (1) (2) (3) (4)	11. (1) (2) (3) (4)	19. (1) (2) (3) (4)
4. (1) (2) (3) (4)	12. (1) (2) (3) (4)	20. (1) (2) (3) (4)
5. (1) (2) (3) (4)	13. (1) (2) (3) (4)	21. (1) (2) (3) (4)
6. (1) (2) (3) (4)	14. (1) (2) (3) (4)	22. (1) (2) (3) (4)
7. (1) (2) (3) (4)	15. (1) (2) (3) (4)	23. (1) (2) (3) (4)
8. (1) (2) (3) (4)	16. (1) (2) (3) (4)	24. (1) (2) (3) (4)

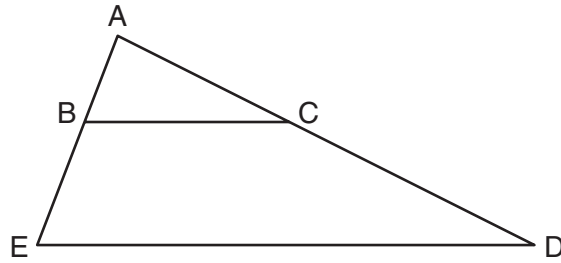
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

1 2

25. The diagram below shows $\triangle ABC$, with \overline{AEB} , \overline{ADC} , and $\angle ACB \cong \angle AED$. Prove that $\triangle ABC$ is similar to $\triangle ADE$.



26. In the diagram below of $\triangle ADE$, B is a point on \overline{AE} and C is a point on \overline{AD} such that $\overline{BC} \parallel \overline{ED}$, $AC = x - 3$, $BE = 20$, $AB = 16$, and $AD = 2x + 2$. Find the length of \overline{AC} .



27. In the diagram below, $\triangle ABC \sim \triangle DEF$, $DE = 4$, $AB = x$, $AC = x + 2$, and $DF = x + 6$. Determine the length of \overline{AB} . [Only an algebraic solution can receive full credit.]

