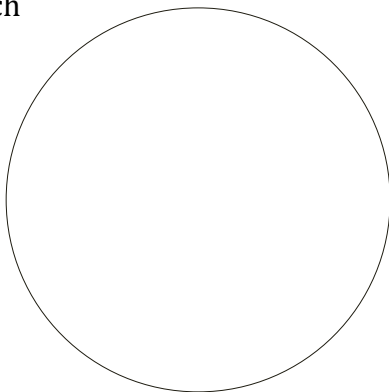
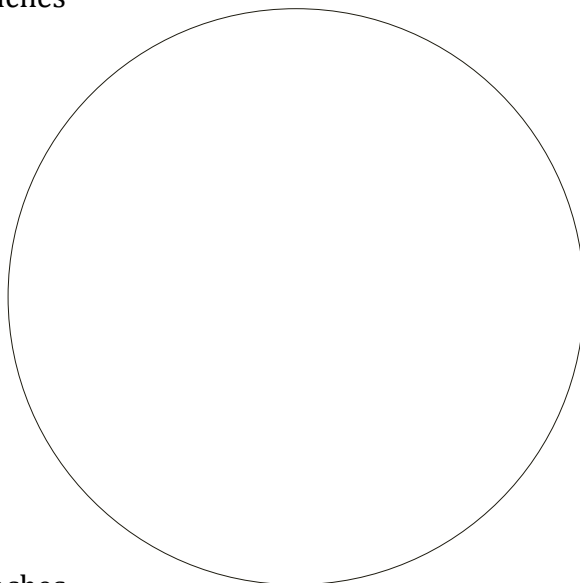


Use a ruler and a compass to construct the largest possible regular hexagon that can fit in each of the given circles in questions 1-10. Use the radius indicated for your construction in each question.

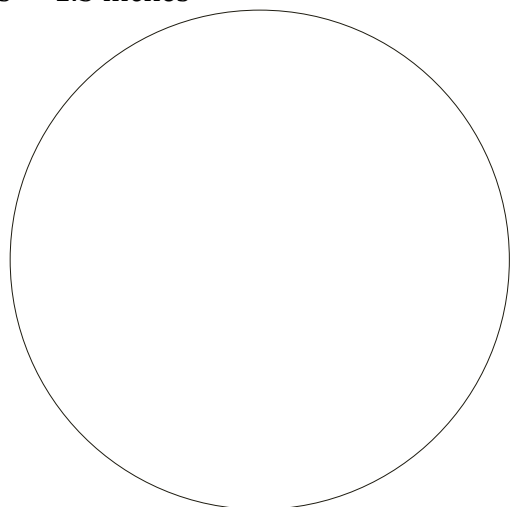
1. Radius = 1 inch



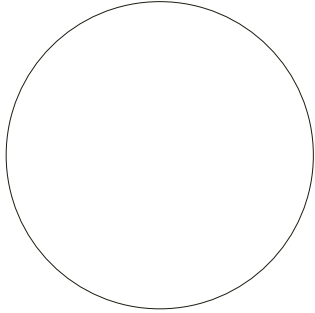
2. Radius = 1.5 inches



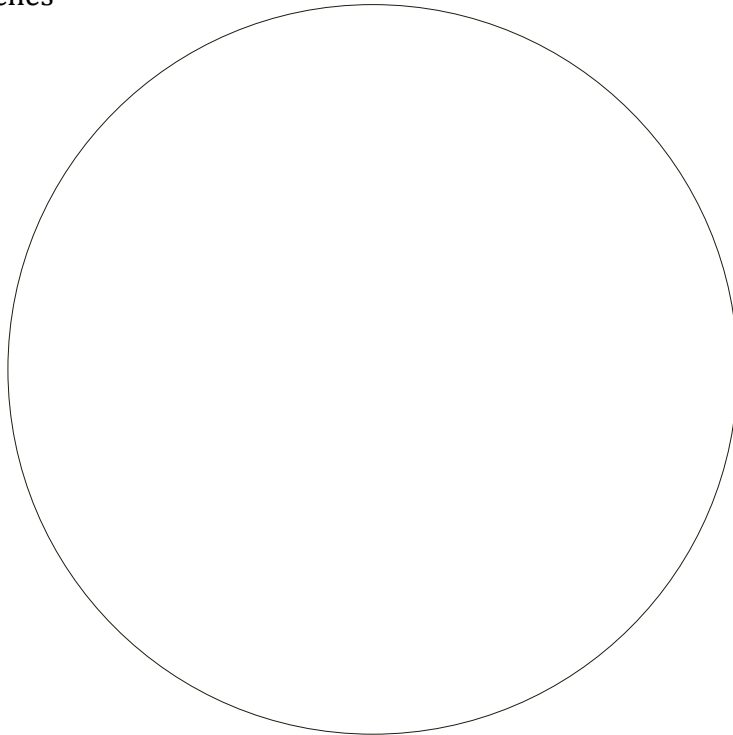
3. Radius = 1.3 inches



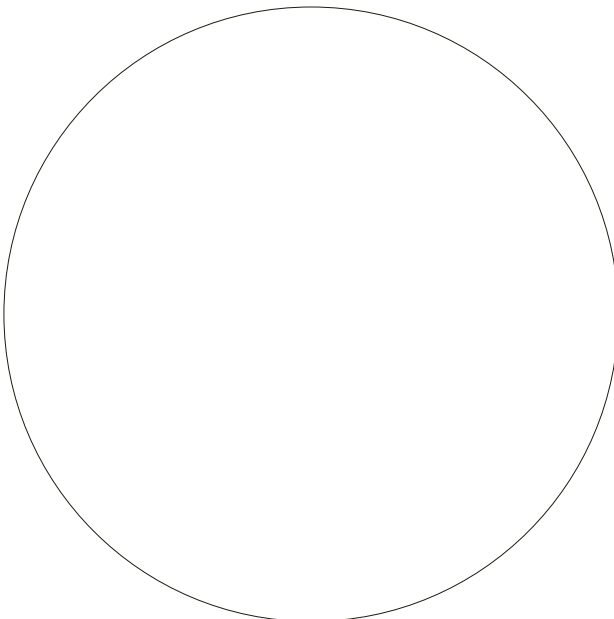
4. Radius = 0.8 inches



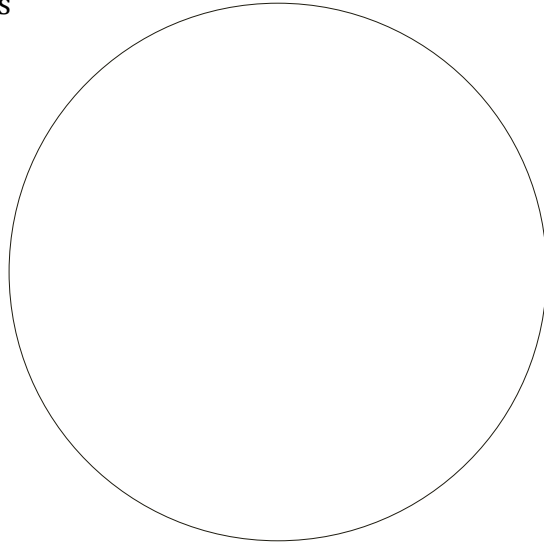
5. Radius = 1.9 inches



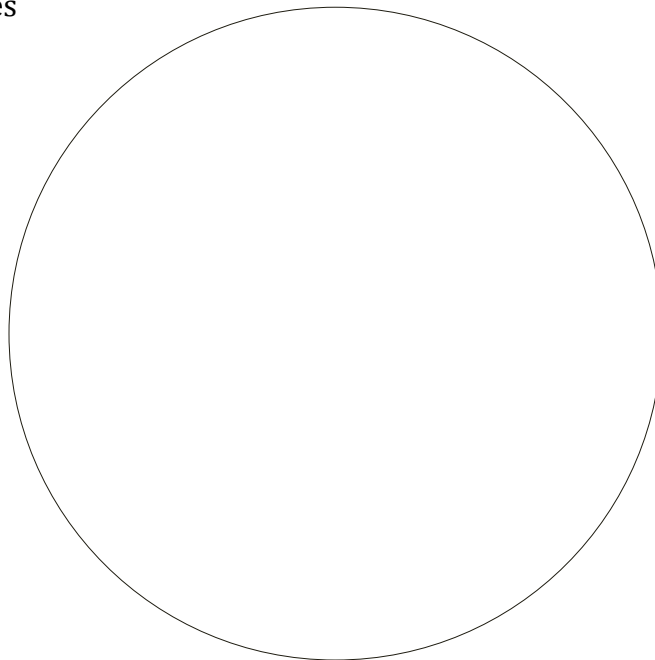
6. Radius = 1.6 inches



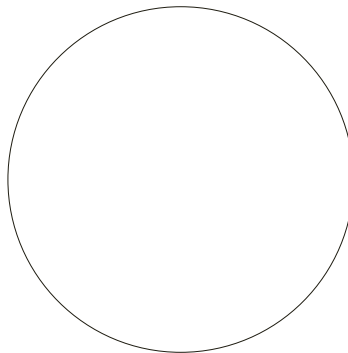
7. Radius = 1.4 inches



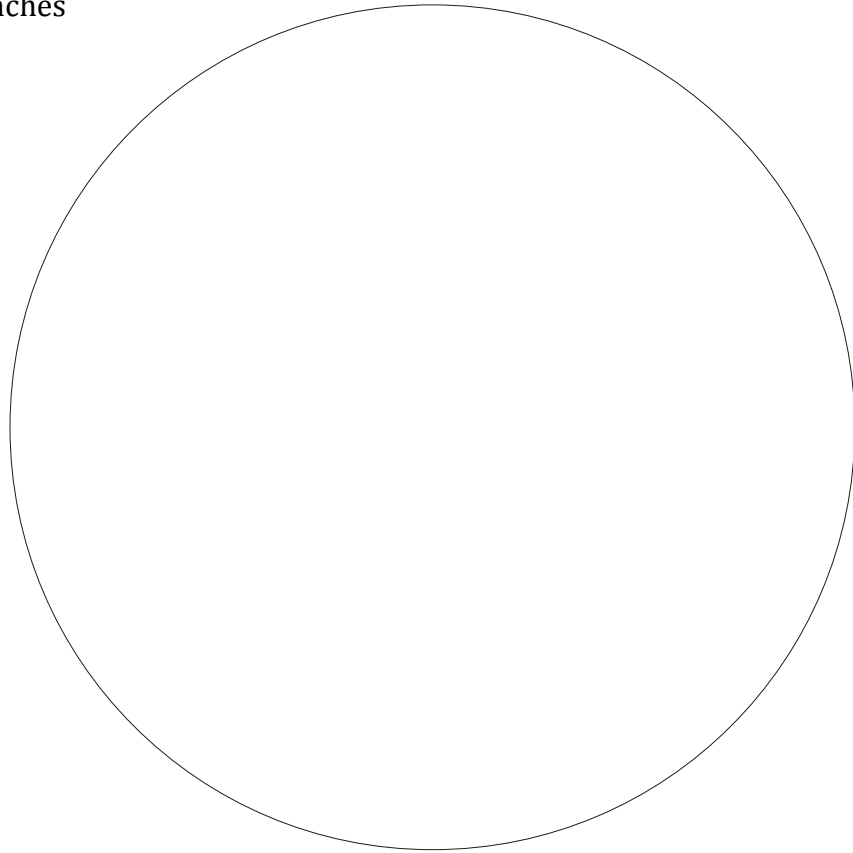
8. Radius = 1.7 inches



9. Radius = 0.9 inches



10. Radius = 2.2 inches



For questions 11-20, use a pair of compasses and a straightedge only to construct an inscribed regular hexagon in a circle of the indicated radius. Use a ruler to take the radii with your compass accurately.

11. Radius = 0.5 inches

12. Radius = 1.2 inches

13. Radius = 1.8 inch

14. Radius = 0.7 inches

15. Radius = 2.5 inches

16. Radius = 2.1 inches

17. Radius = 0.6 inches

18. Radius = 2.4 inches

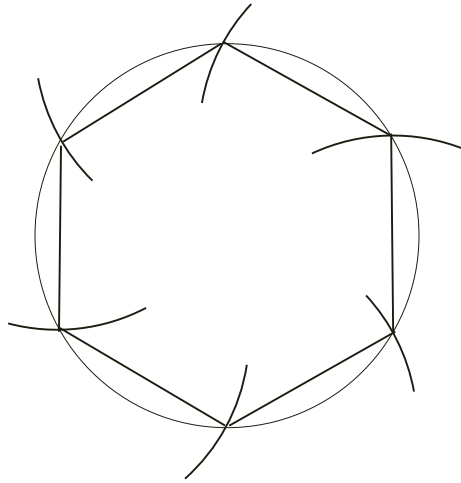
19. Radius = 2 inches

20. Radius = 2.3 inches

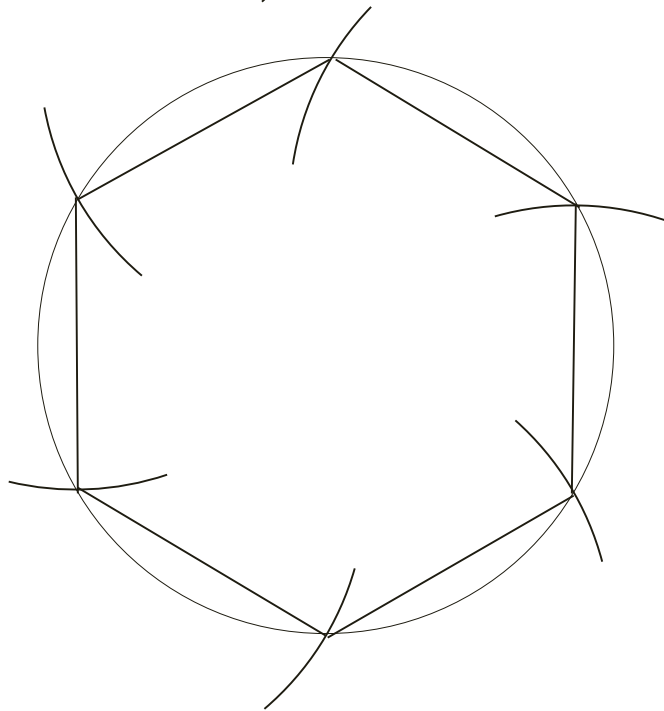
Answer keys

Day 43:

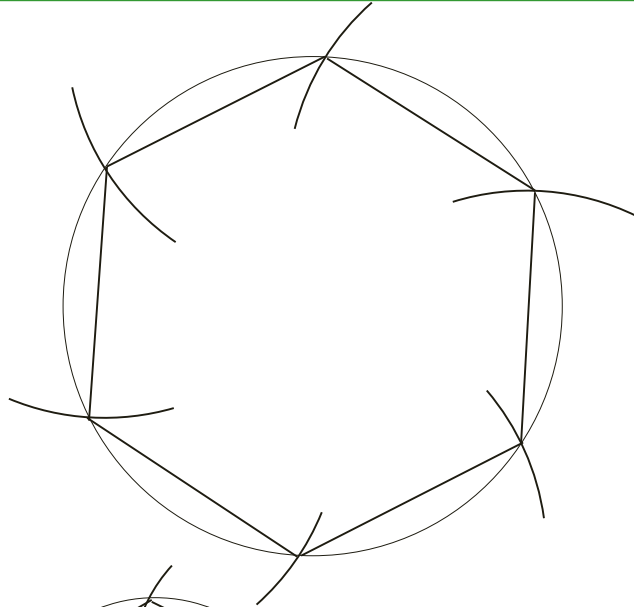
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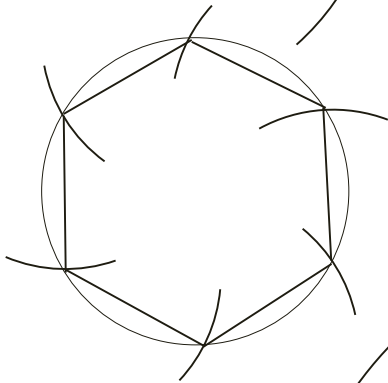
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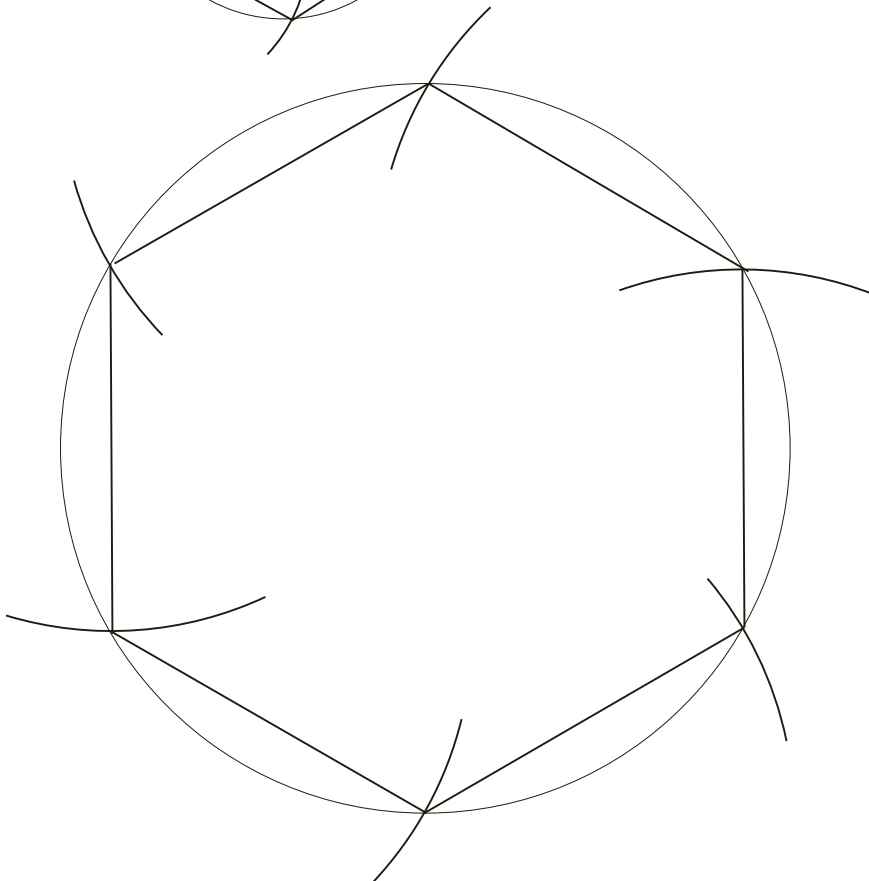
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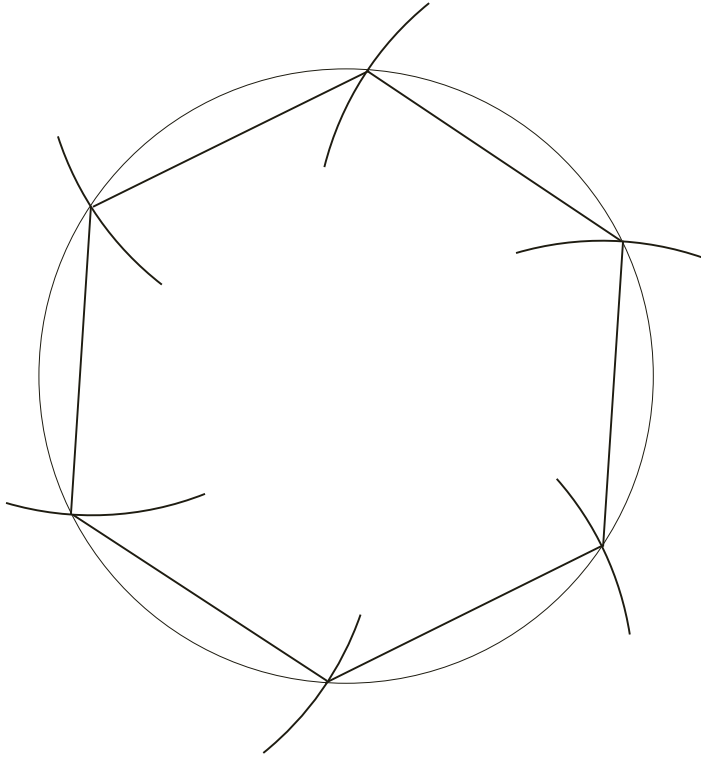
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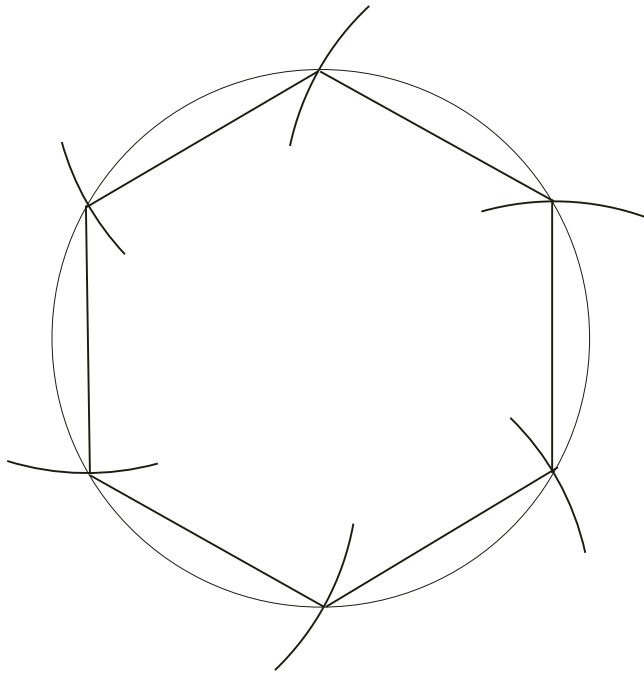
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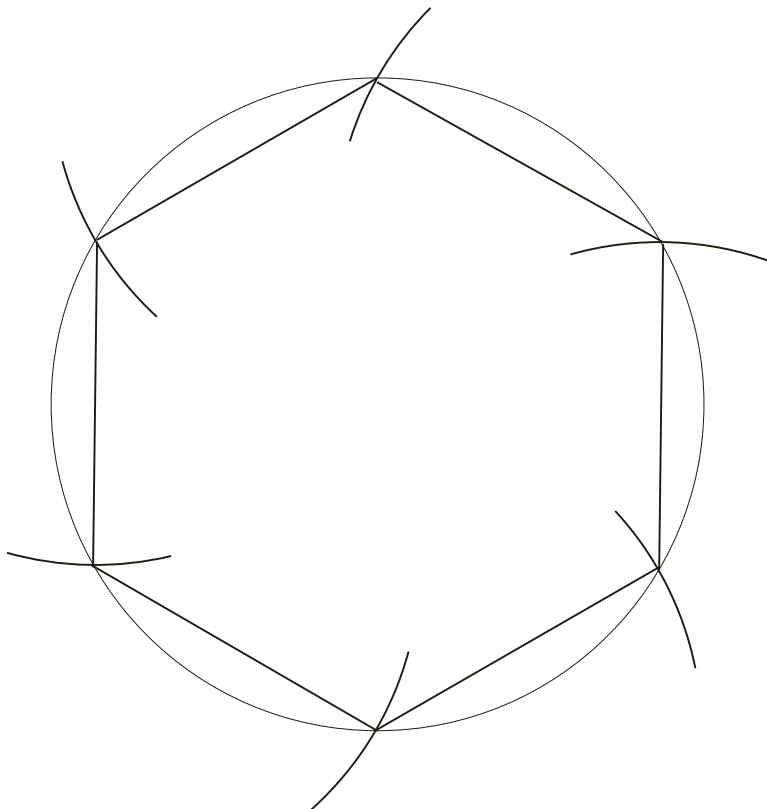
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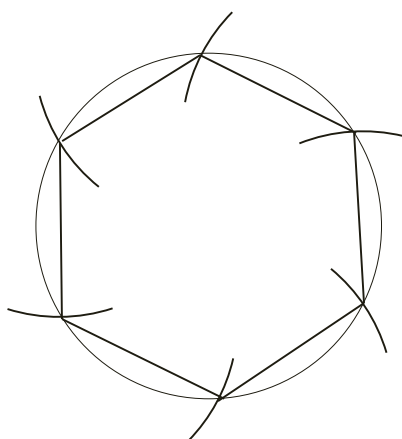
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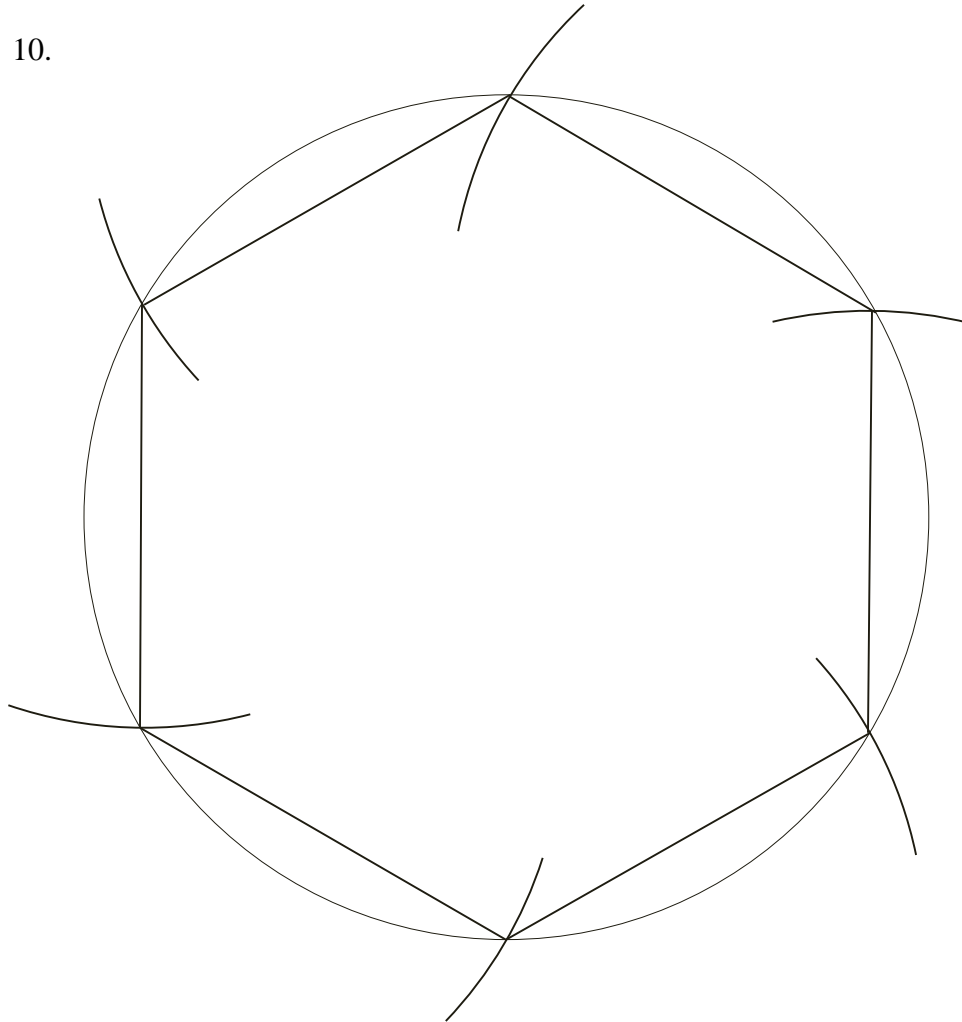
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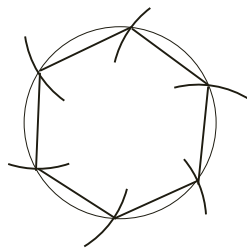
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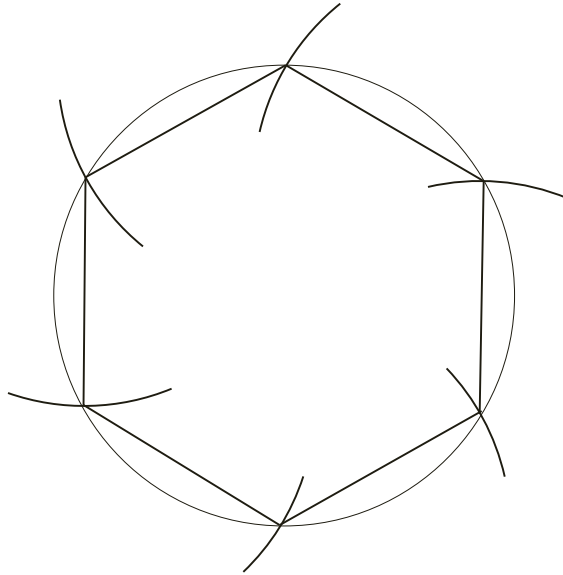
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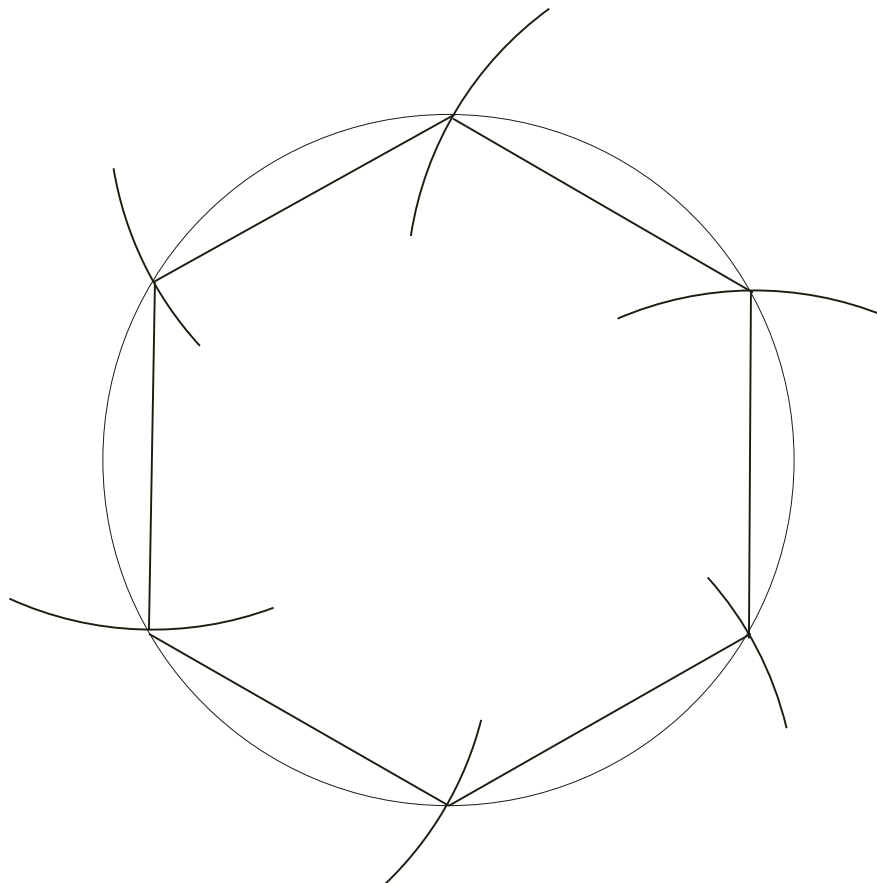
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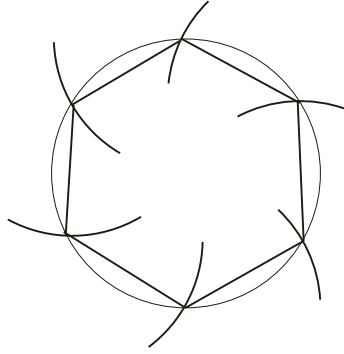
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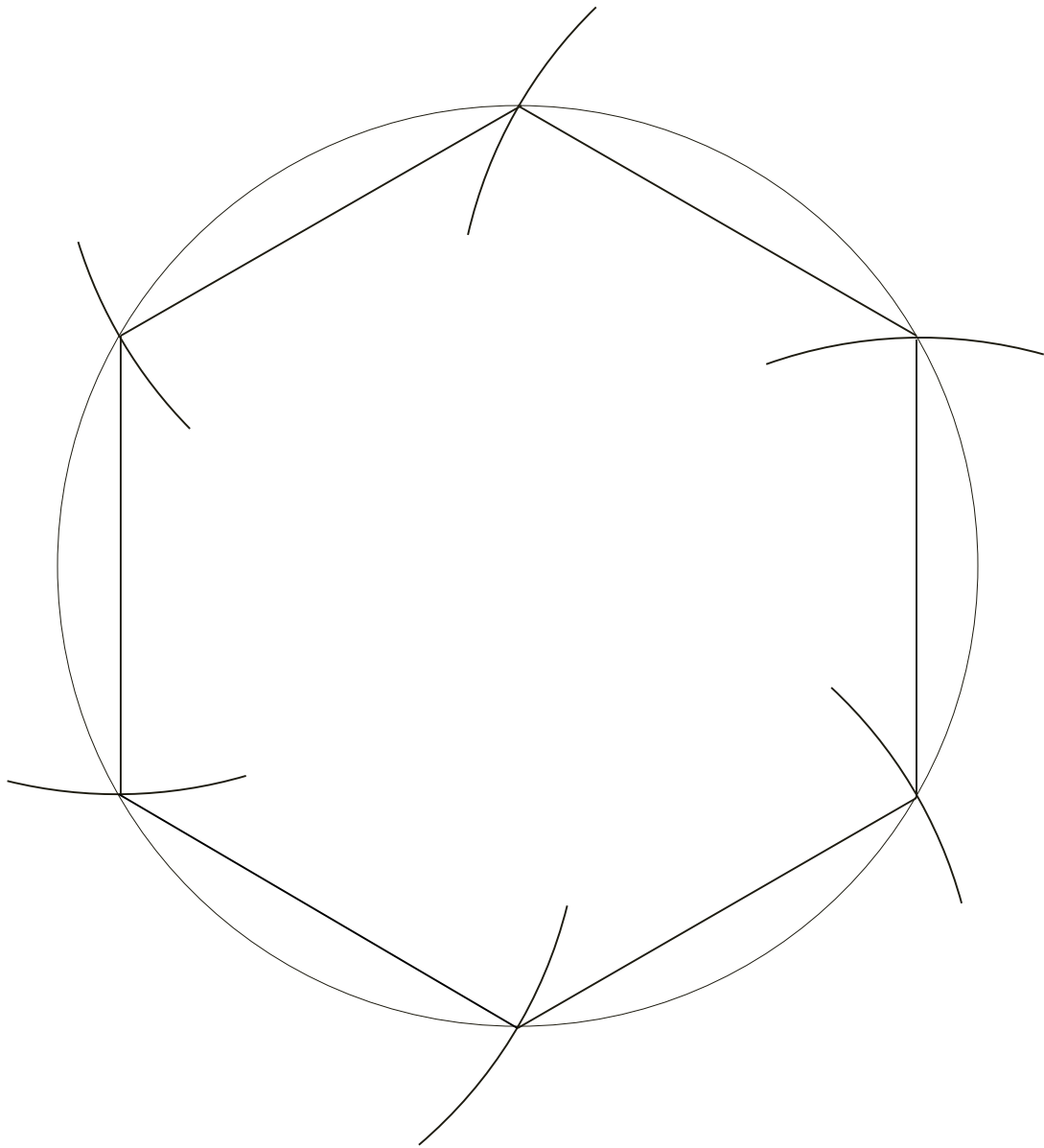
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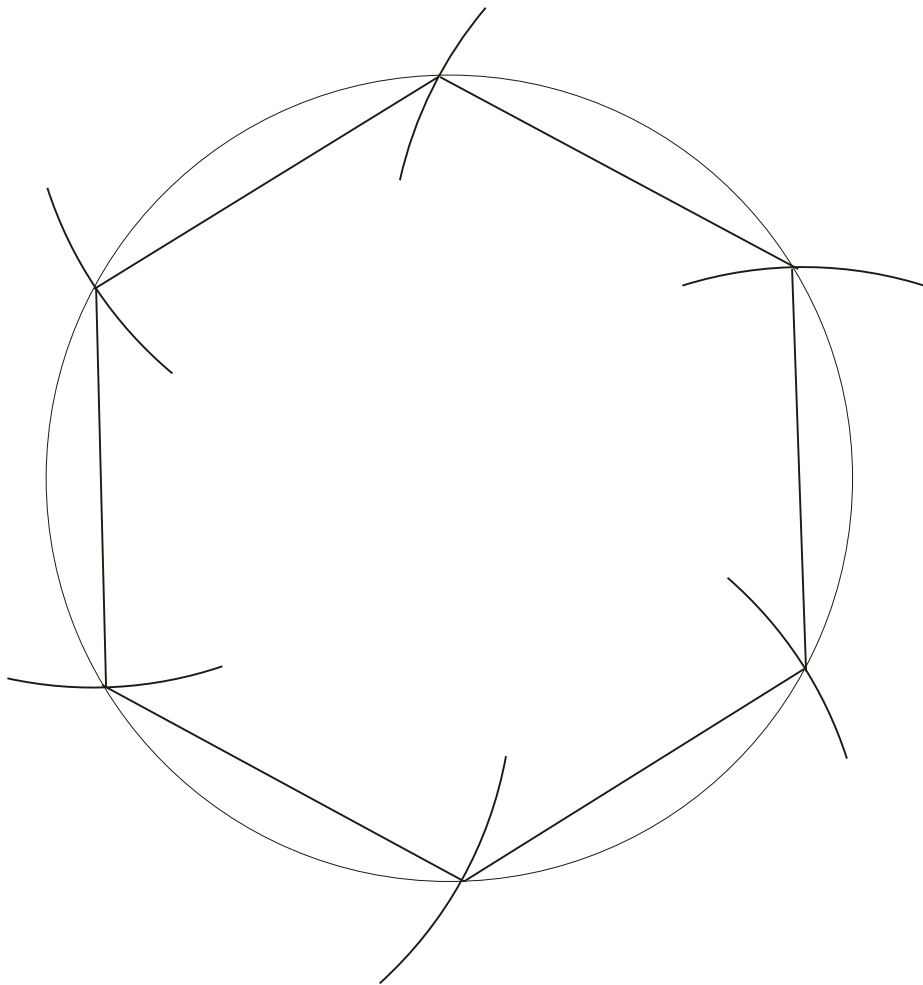
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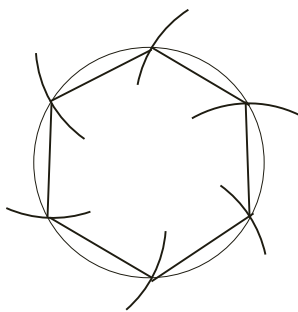
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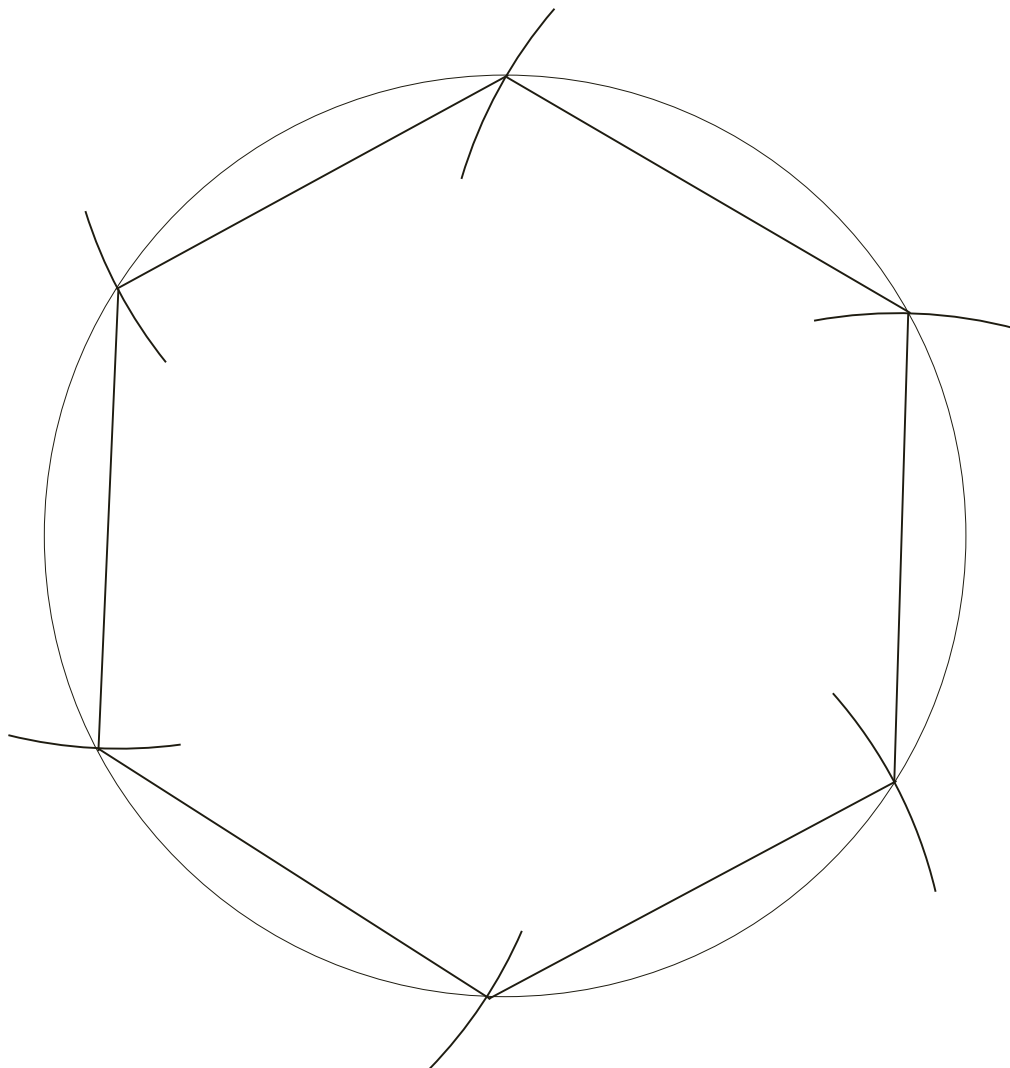
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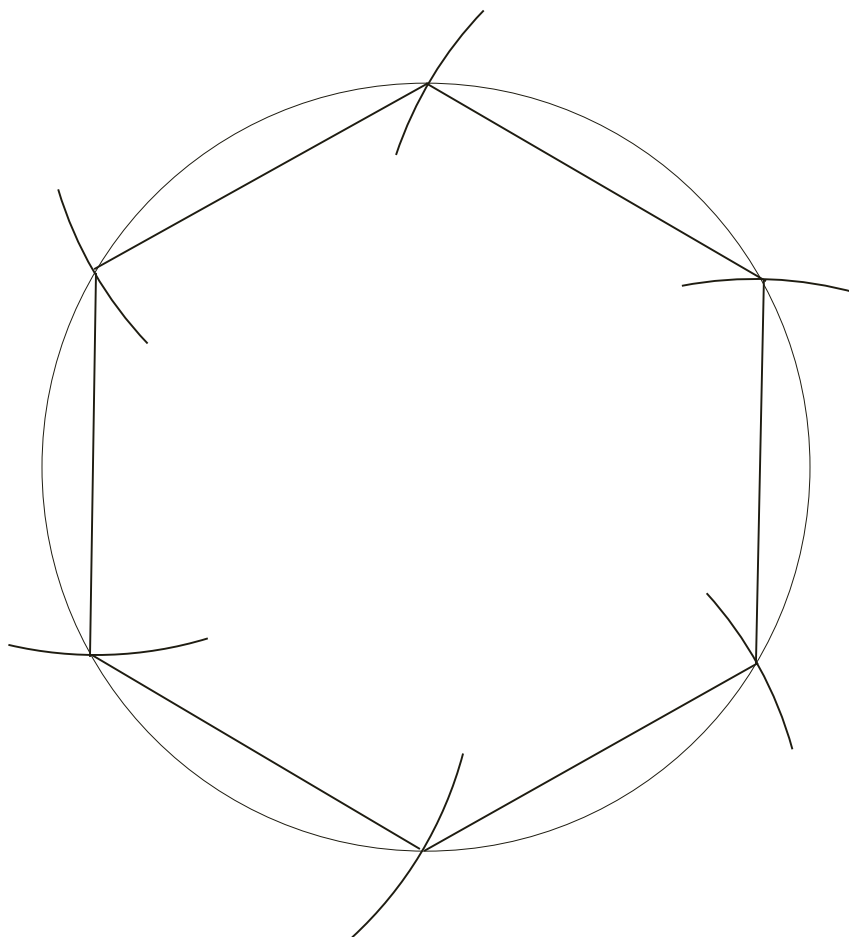
17.



18.



19.



20.

