Unit: 4th Measuring Angles
4.7.C – 4.7.D – 4.7.E – Measuring Angles
Problem Set: 1
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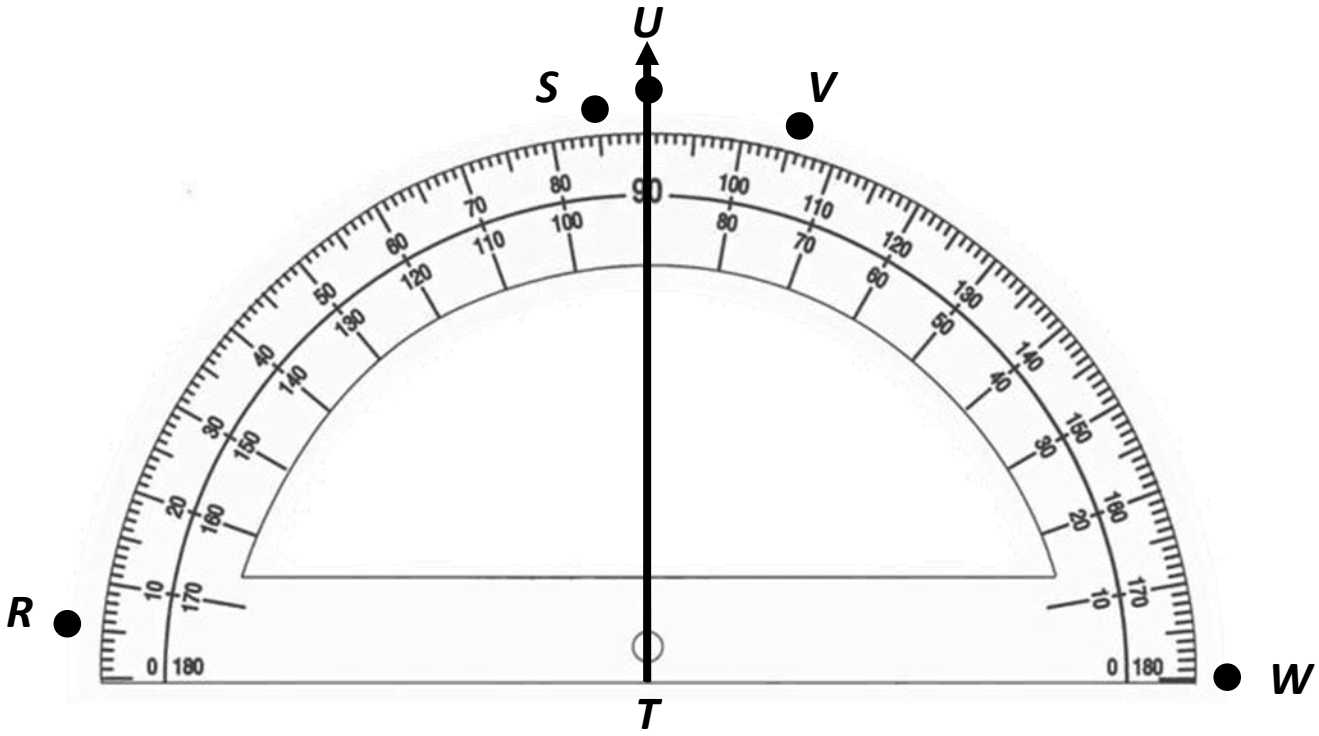
1 A	**2** 152^{O}	**3** A	**4** B	**5** D	**6** D
7 C	**8** C	**9** C	**10** A	**11** B	**12** B
13 B	**14** D	**15** D	**16** B	**17** A	**18** C
19 C	**20** D	**21** B	**22** B	**23** A	**24** D
25 65^{O}	**26** B	**27** C	**28** D	**29** A	**30** B

1. Ray *TU* has been drawn on the protractor as shown.



To construct an angle that has a measure of 85^{o} , another ray can be drawn that starts at point *T* and passes through –

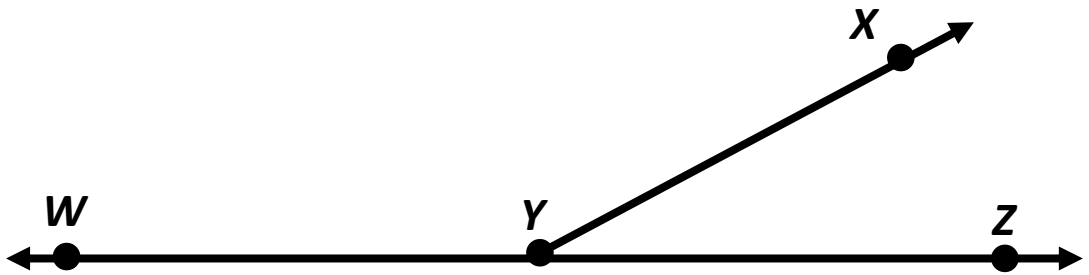
A. point *R*

B. point *S*

C. point *V*

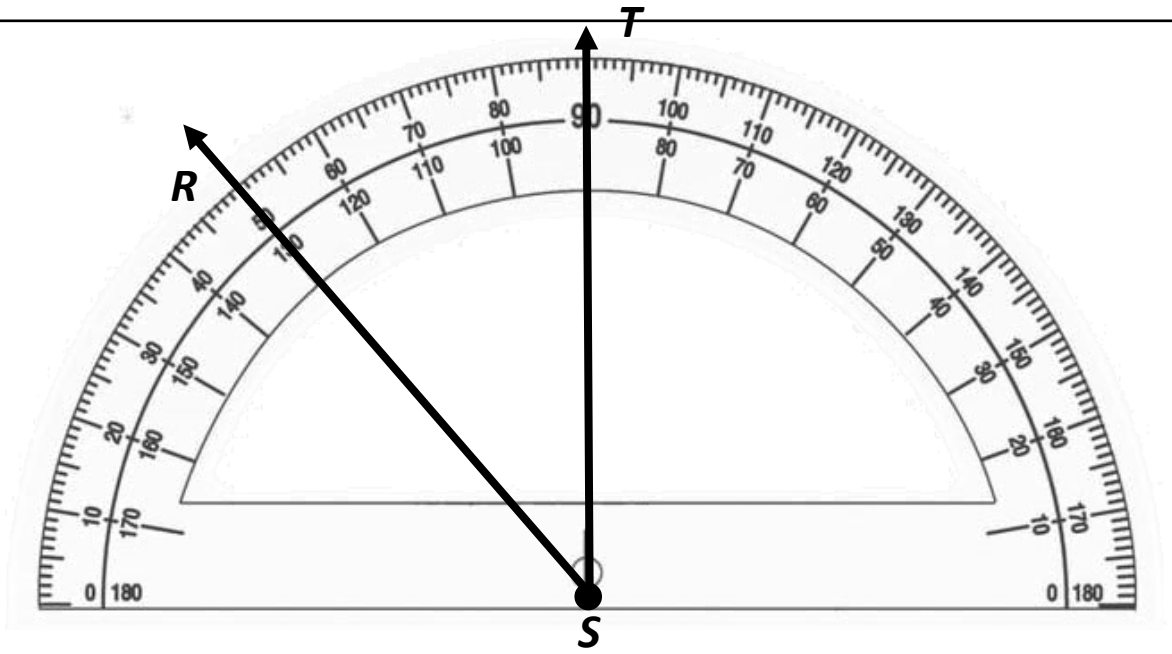
C. point *W*

2. Angle *XYZ* and angle *XYW* have a combined measure of 180°.



The measure of angle *XYZ* is 28°. What is the measure of *XYW* in degrees?

3. What is the measure of angle *RST* to the nearest degree?



A. 40°

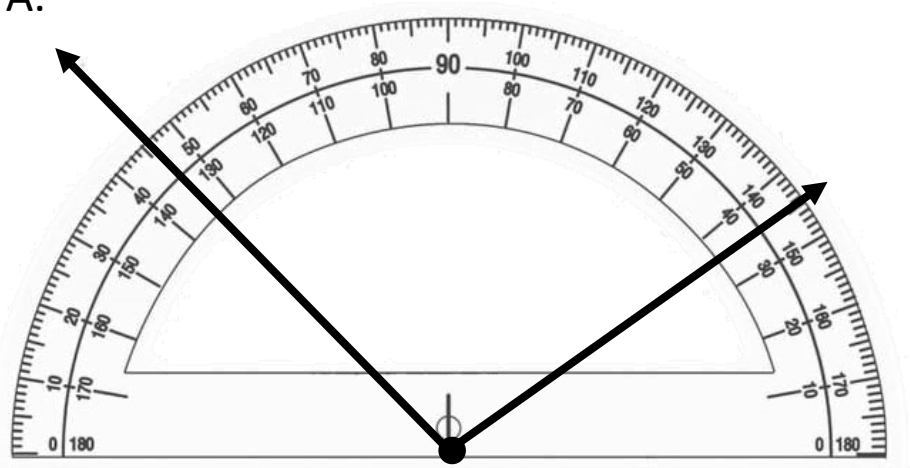
B. 50°

C. 130°

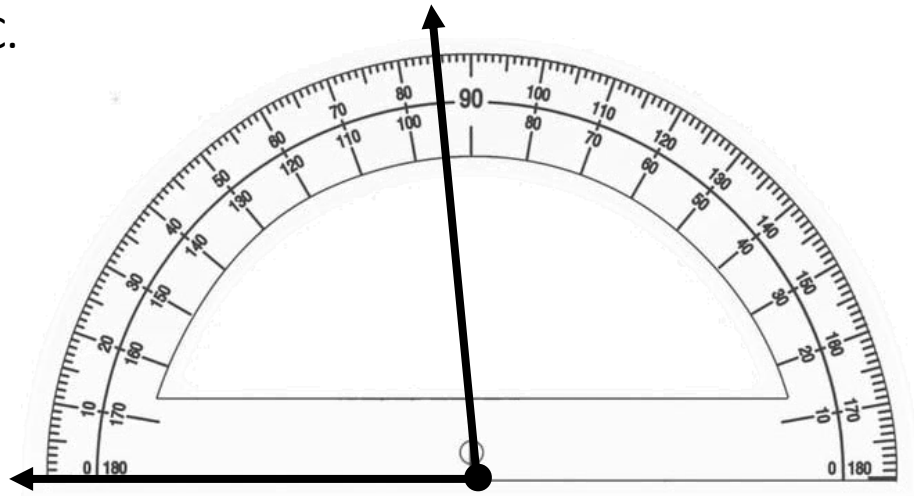
D. 80°

4. Which angle has a measure closest to 95°?

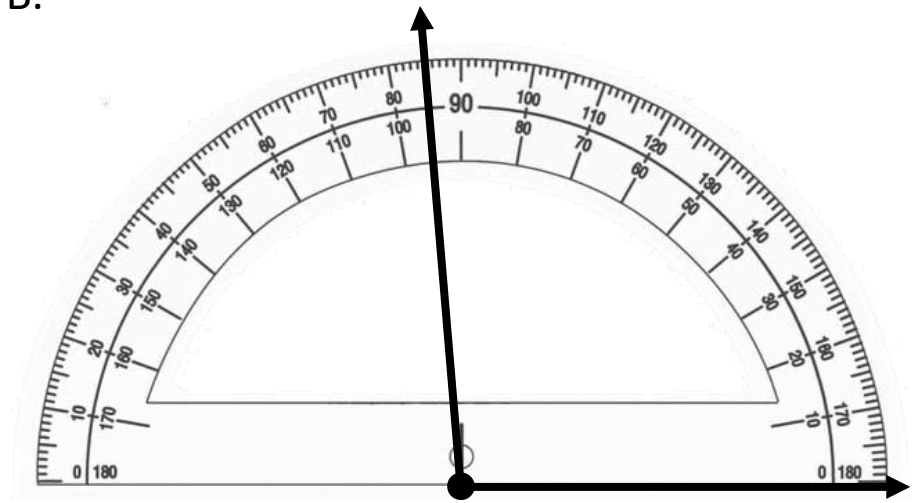
A.



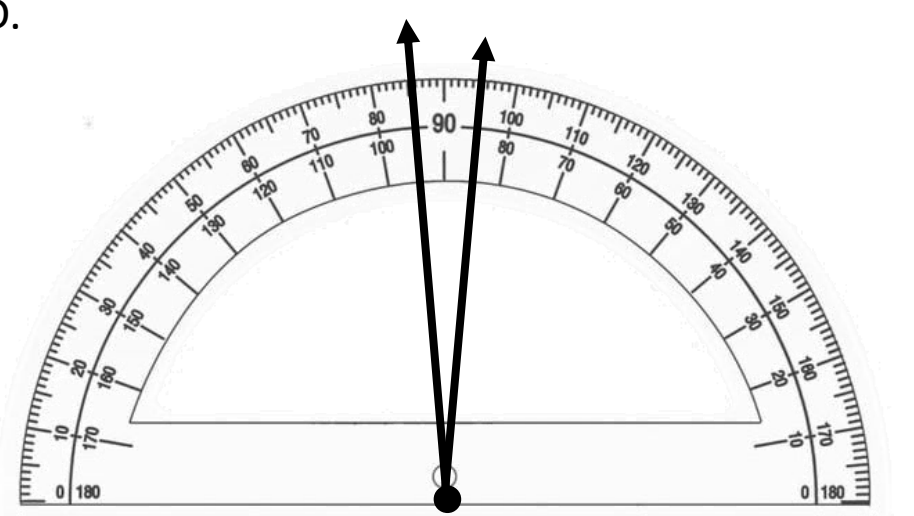
C.



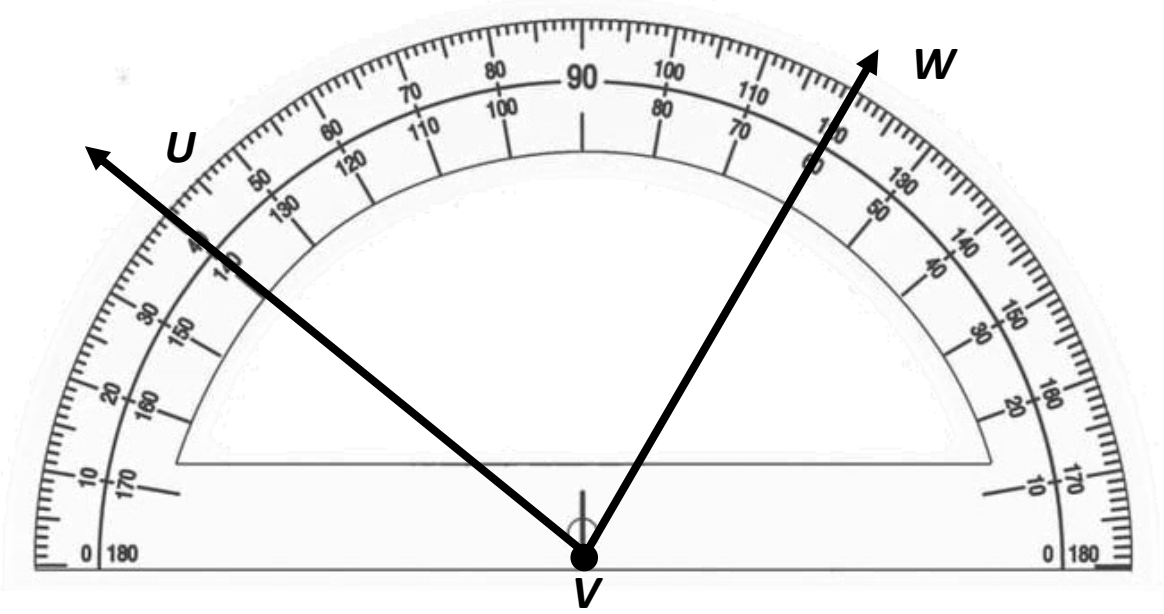
B.



D.



5.What is the measure of angle *UVW* to the nearest degree?



A. 40°

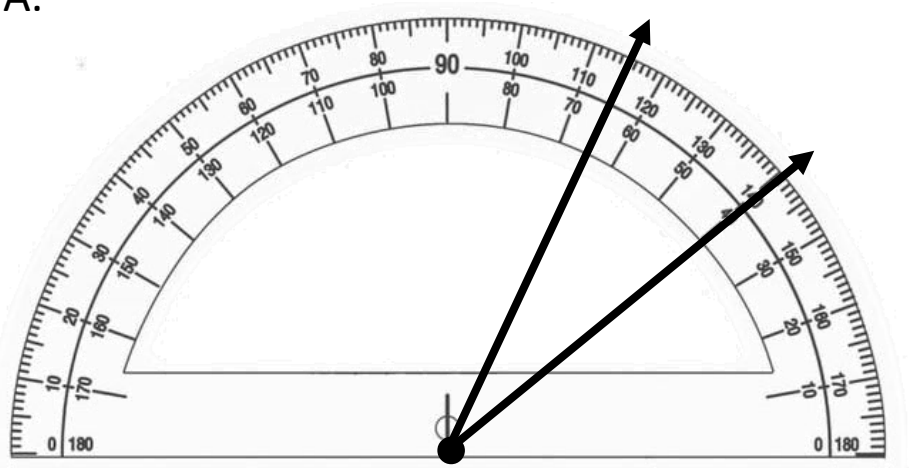
B. 50°

C. 130°

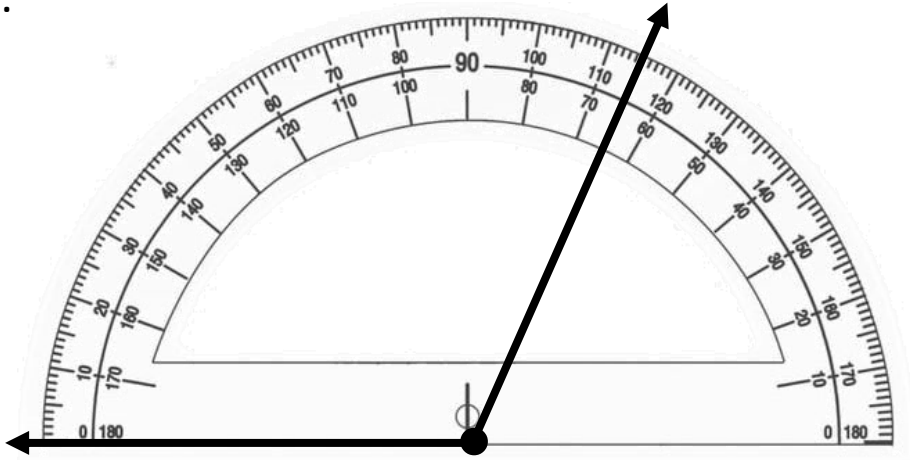
D. 80°

6. Which angle has a measure closest to 75°?

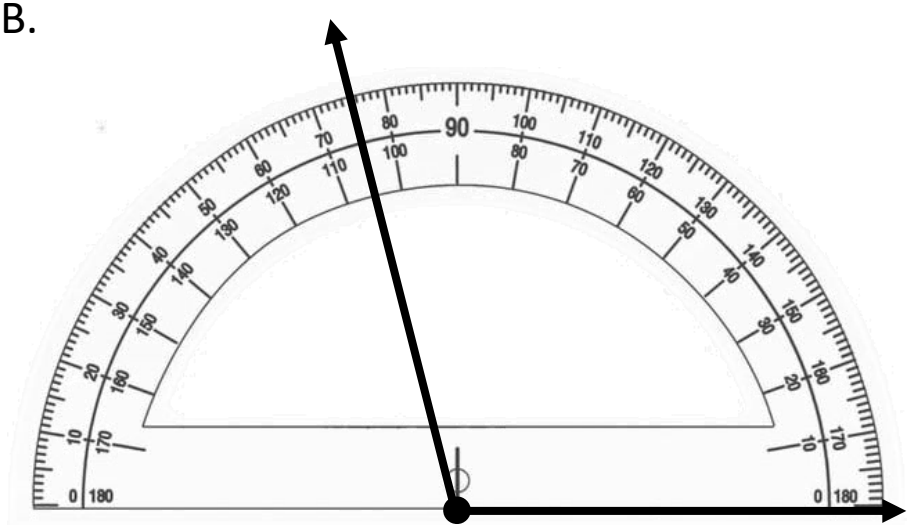
A.



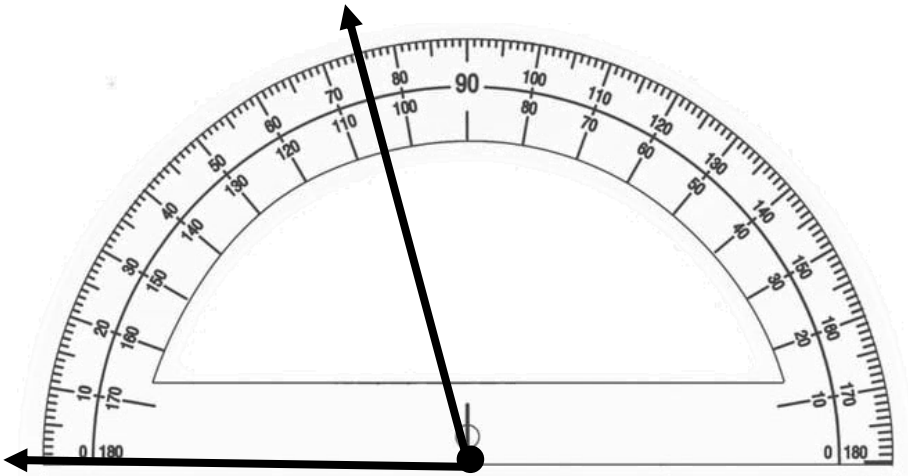
C.



B.



D.



Unit: 4th Measuring Angles
4.7.C – 4.7.D – 4.7.E – Measuring Angles
Problem Set: 2
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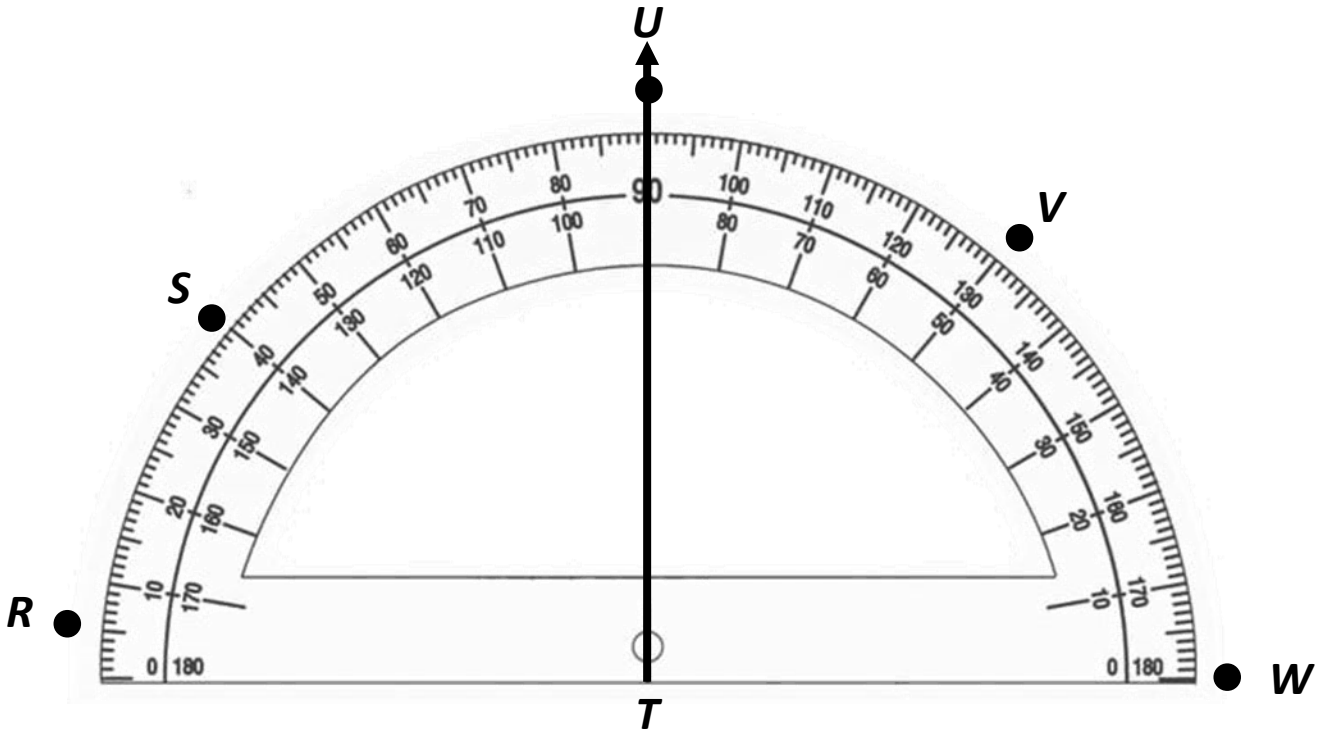
1 A	**2** 152^{O}	**3** A	**4** B	**5** D	**6** D
7 C	**8** C	**9** C	**10** A	**11** B	**12** B
13 B	**14** D	**15** D	**16** B	**17** A	**18** C
19 C	**20** D	**21** B	**22** B	**23** A	**24** D
25 65^{O}	**26** B	**27** C	**28** D	**29** A	**30** B

7. Ray *TU* has been drawn on the protractor as shown.



To construct an angle that has a measure of 40^{o} , another ray can be drawn that starts at point *T* and passes through –

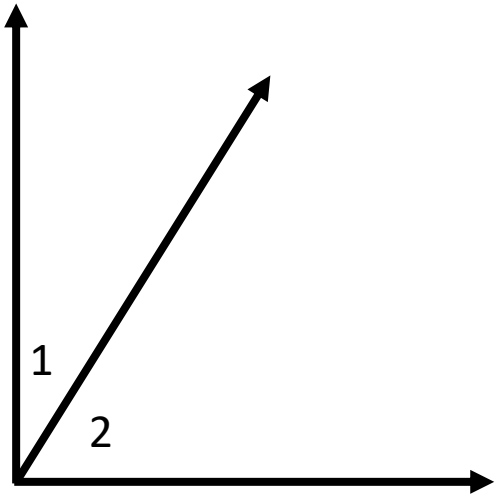
A. point *R*

B. point *S*

C. point *V*

D. point *W*

8. Angle 1 and Angle 2 form a right angle.



The measure of angle 1 is 32^{o}. What is the measure of angle 2?

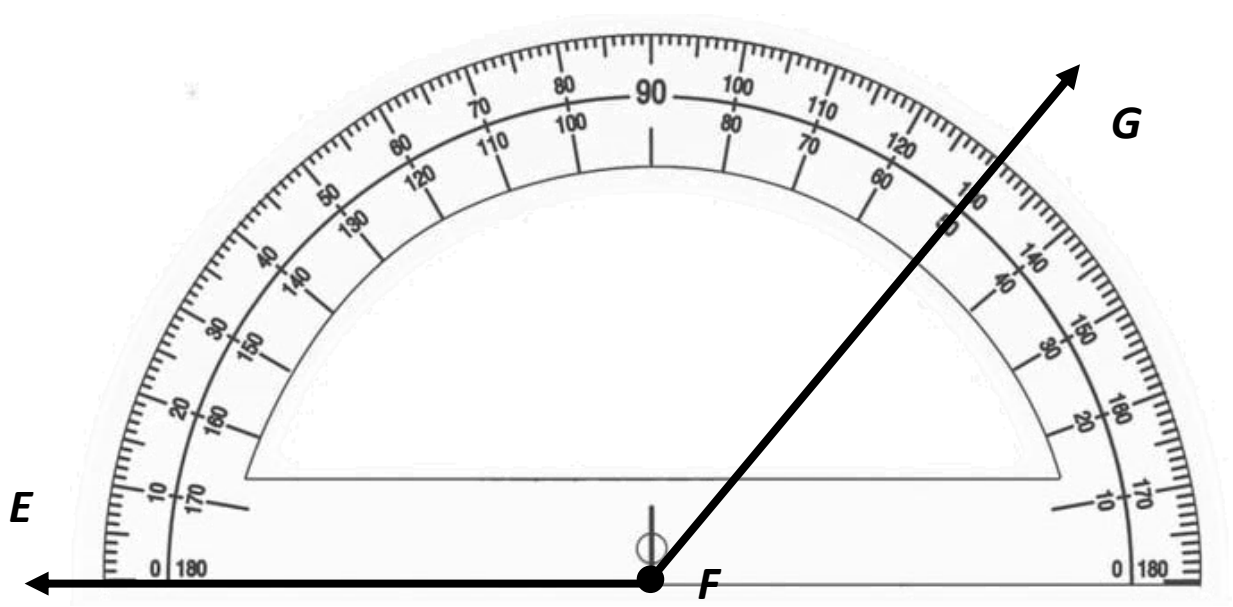
A. 32^{o}

B. 90^{o}

C. 58^{o}

D. 62^{o}

9. What is the measure of angle *EFG* to the nearest degree?



A. 40°

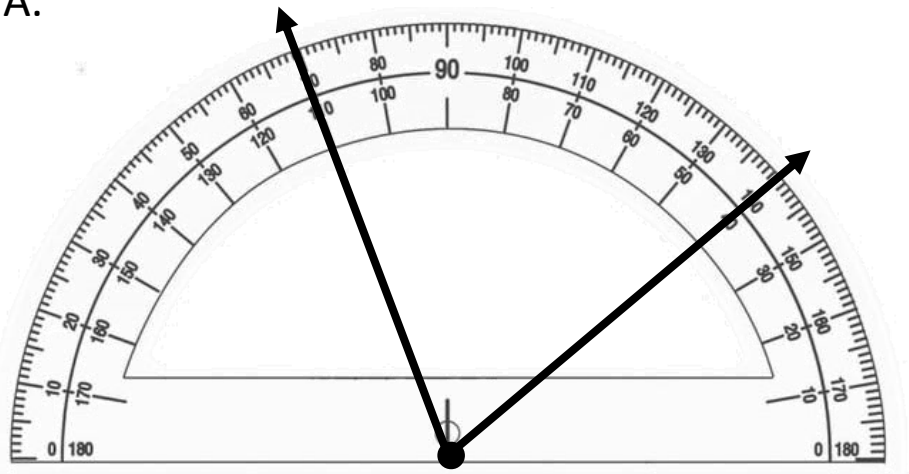
B. 50°

C. 130°

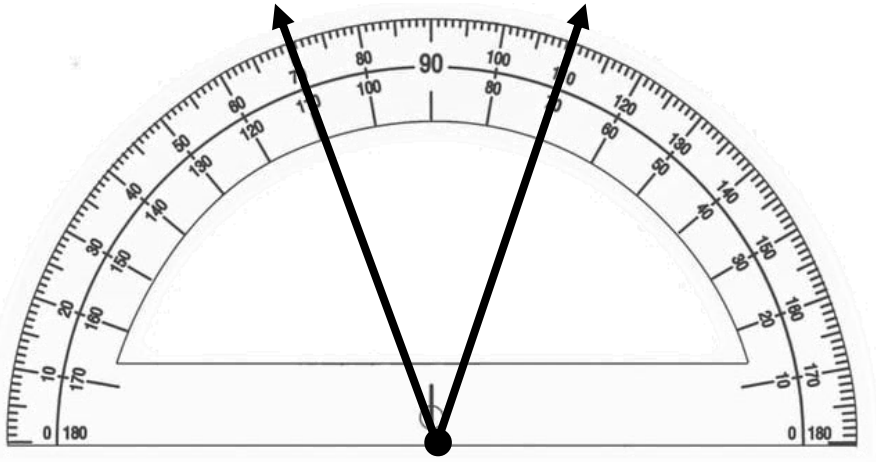
D. 80°

10. Which angle has a measure closest to 70°?

A.



B.



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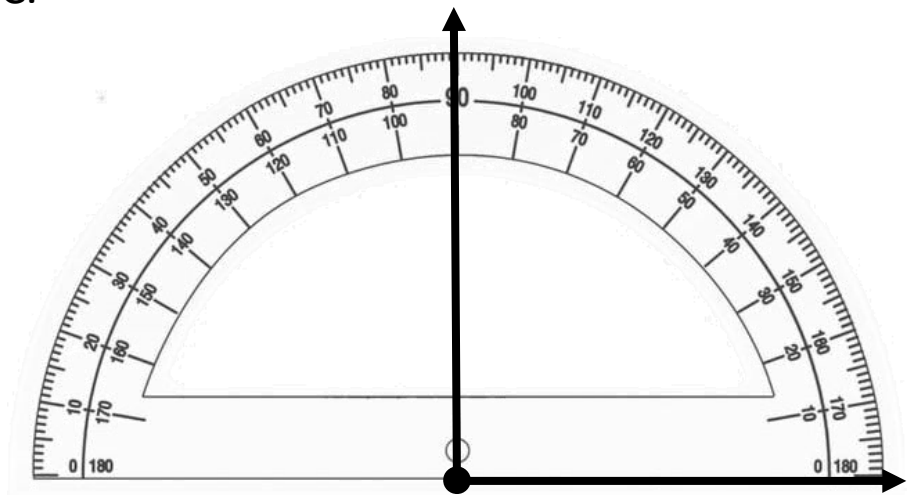
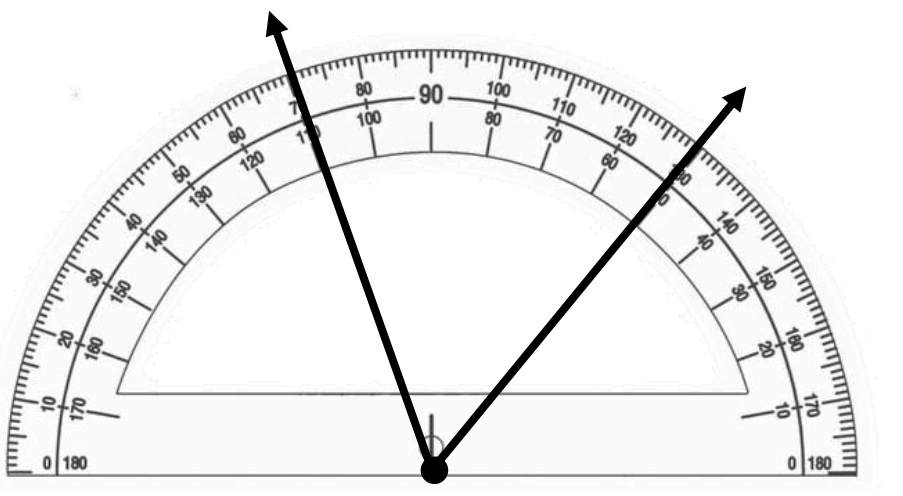
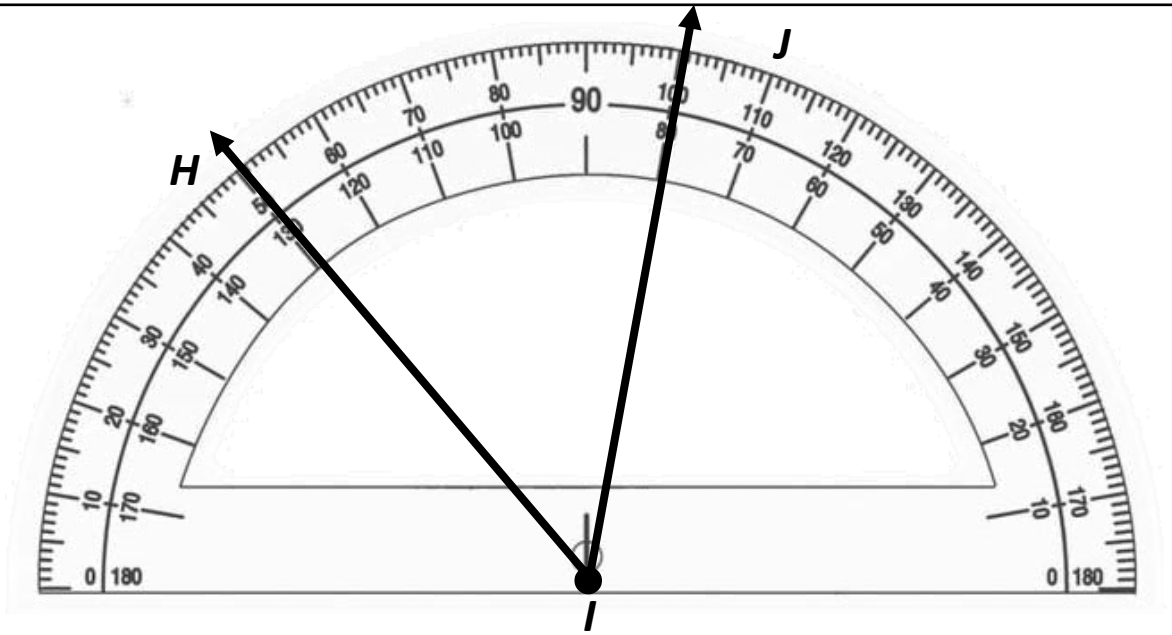


D.



11. What is the measure of angle *HIJ* to the nearest degree?



A. 40°

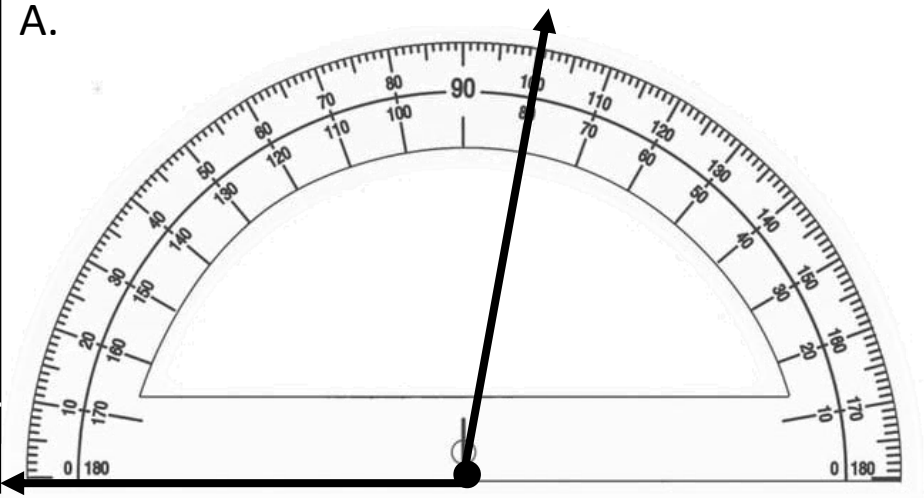
B. 50°

C. 130°

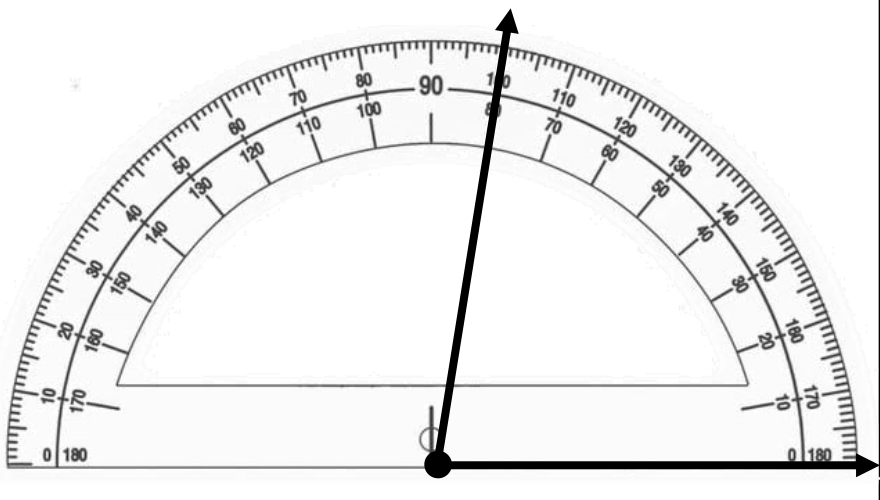
D. 80°

12. Which angle has a measure closest to 80°?

A.



B.



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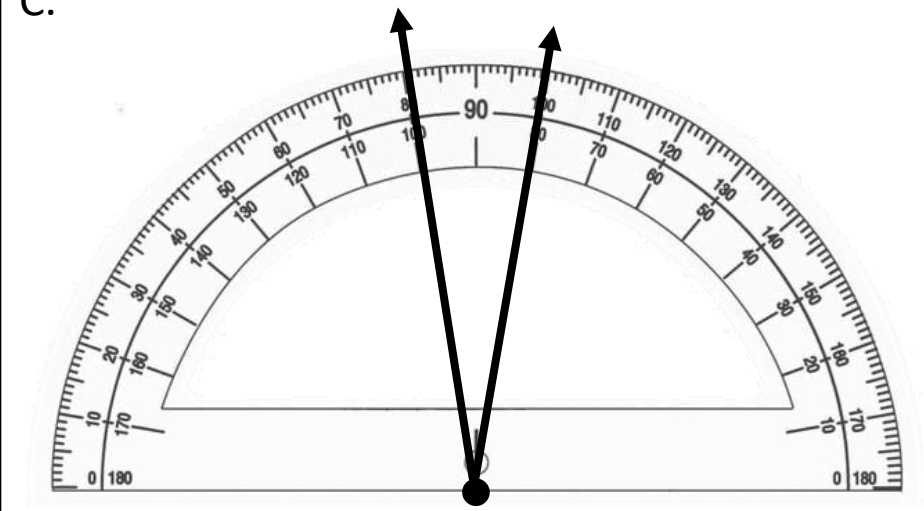
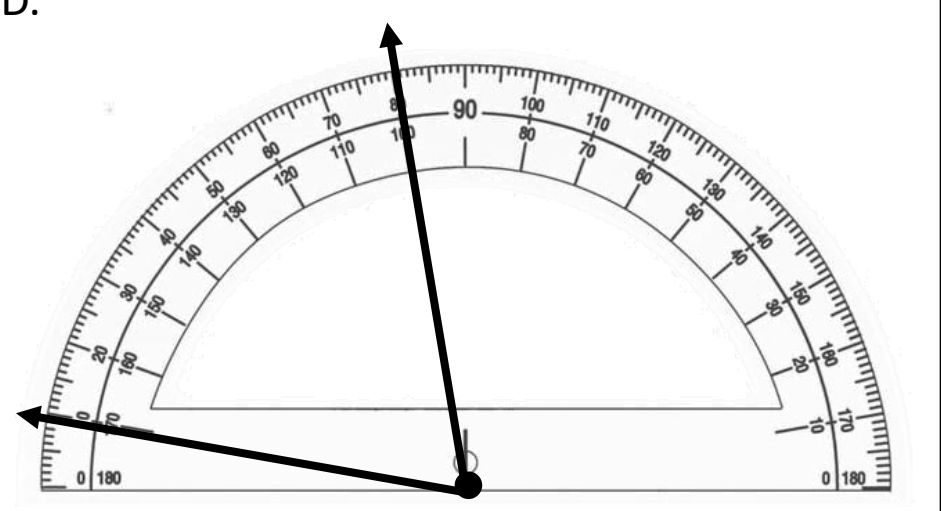


D.



Unit: 4th Measuring Angles
4.7.C – 4.7.D – 4.7.E – Measuring Angles
Problem Set: 3
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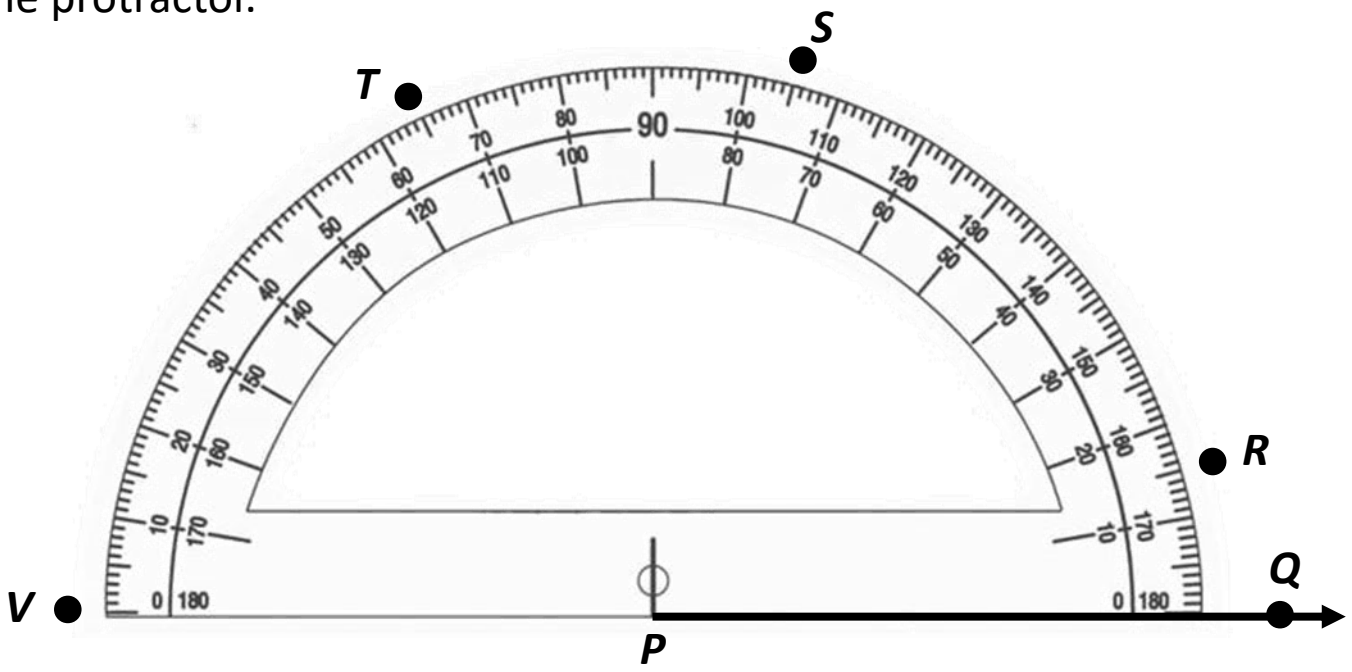
1 A	**2** 152^{O}	**3** A	**4** B	**5** D	**6** D
7 C	**8** C	**9** C	**10** A	**11** B	**12** B
13 B	**14** D	**15** D	**16** B	**17** A	**18** C
19 C	**20** D	**21** B	**22** B	**23** A	**24** D
25 65^{O}	**26** B	**27** C	**28** D	**29** A	**30** B

13. Frank is using a protractor to construct an angle that measures 75°. First, he draws Ray *PQ*, as shown on the protractor.



To complete the 75° angle, Frank should draw another ray that starts at point *P* and passes through –

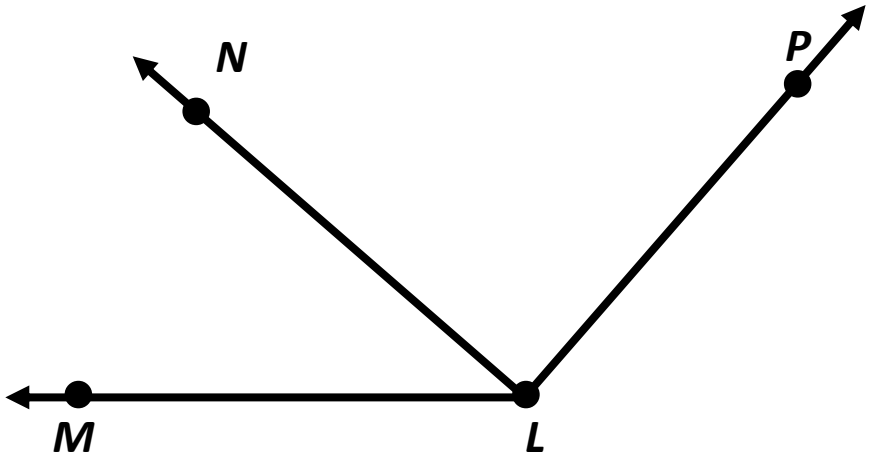
A. point *R*

B. point *S*

C. point *T*

C. point *V*

14. Angle *MLN* has a measure of 41°. Angle *NLP* is a right angle.



What is the measure of angle *MLP*?

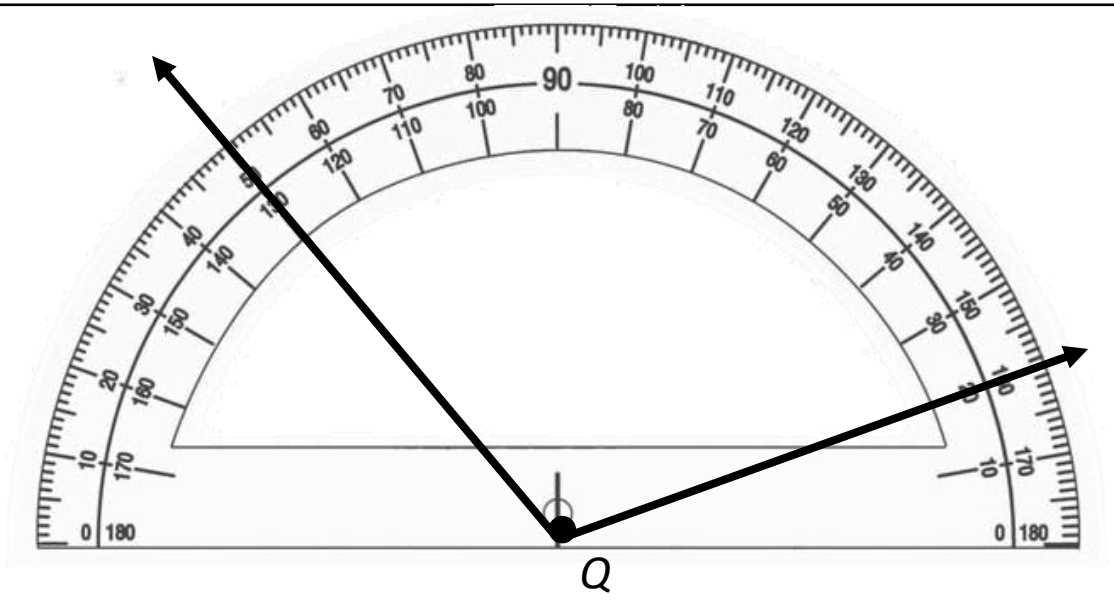
A. 82°

B. 49°

C. 180°

D. 131°

15. Angle *Q* is shown on this protractor. What is the measure of angle *Q* to the nearest degree?



A. 70°, because 50° plus 20° equals 70°

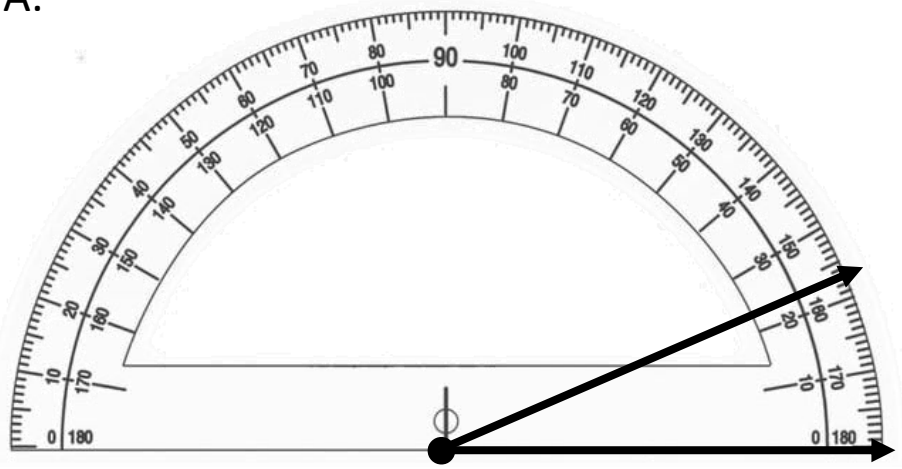
B. 150°, because 130° plus 20° equals 150°

C. 30°, because 160° minus 130° equals 30°

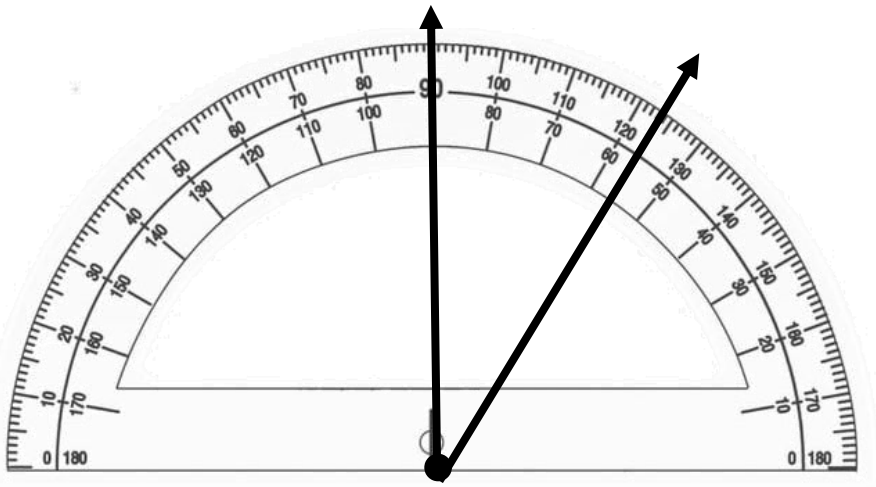
D. 110°, because 160° minus 50° equals 110°

16. Which angle does *NOT* appear to have a measure of 23°?

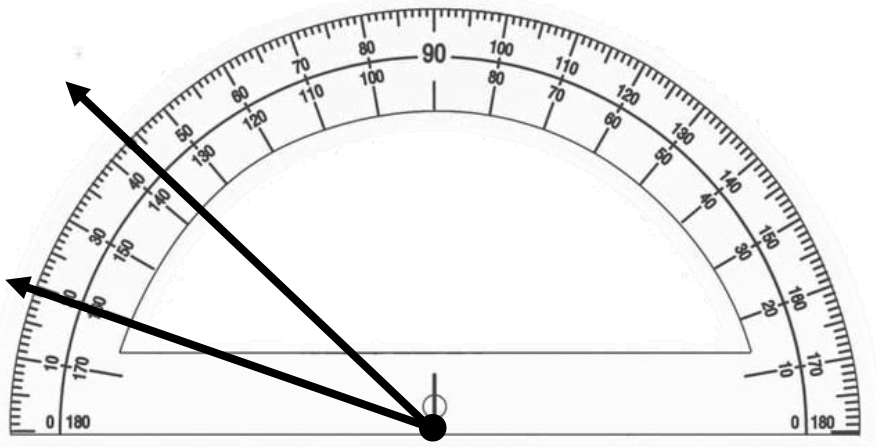
A.



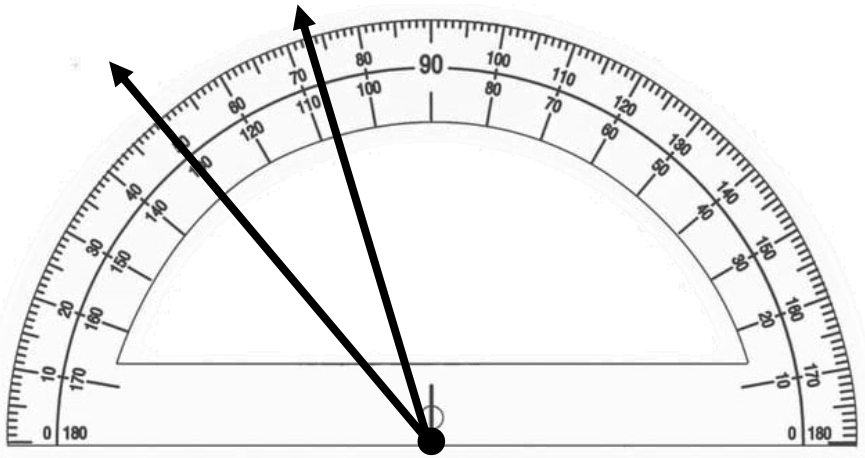
B.



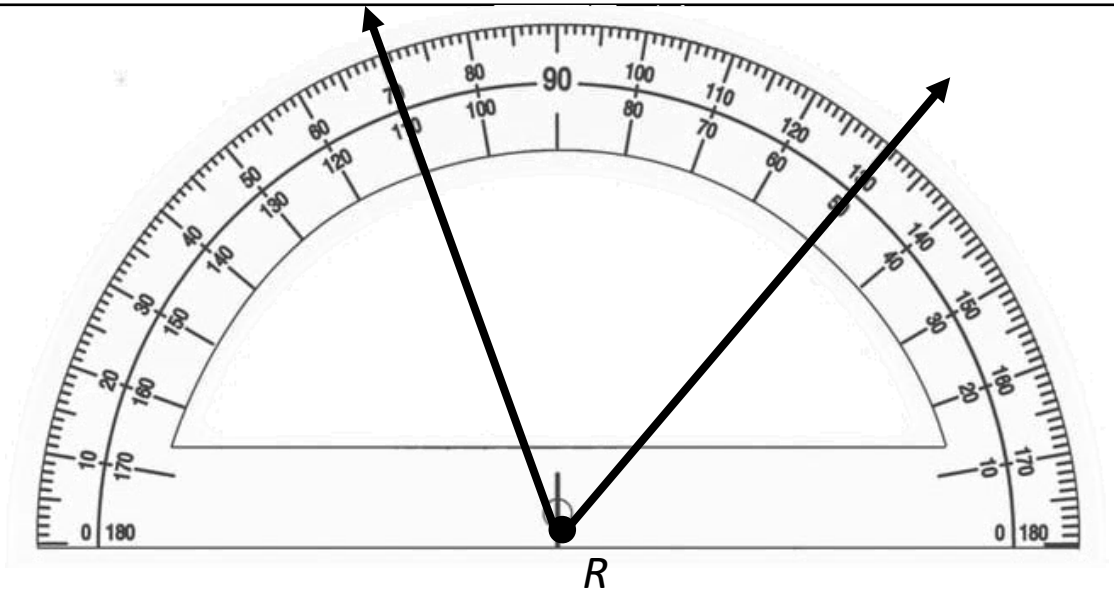
C.



D.



17. Angle *R* is shown on this protractor. What is the measure of angle *R* to the nearest degree?



A. 60°, because 130° minus 70° equals 60°

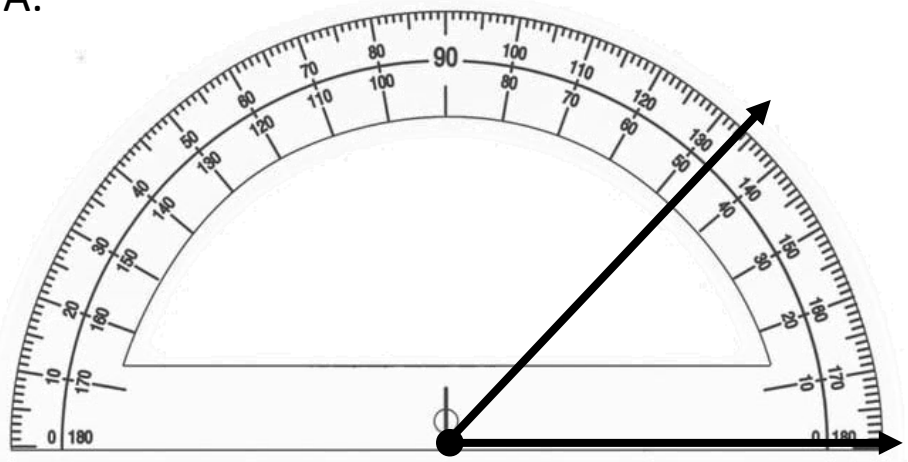
B. 110°, because 180° minus 70° equals 110°

C. 200°, because 130° plus 70° equals 200°

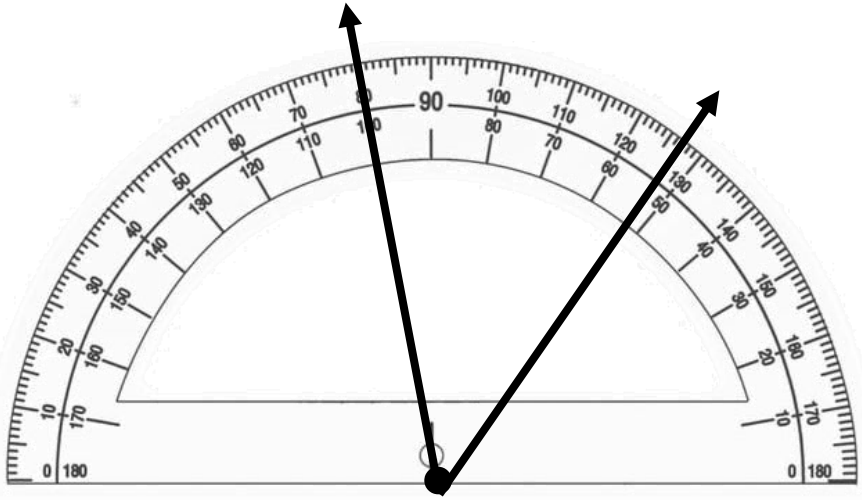
D. 20°, because 130° minus 110° equals 20°

18. Which angle does *NOT* appear to have a measure of 47°?

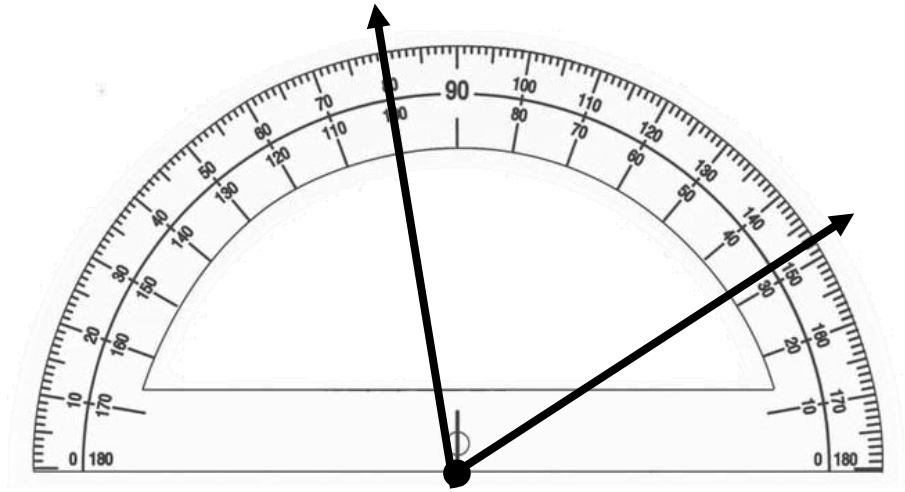
A.



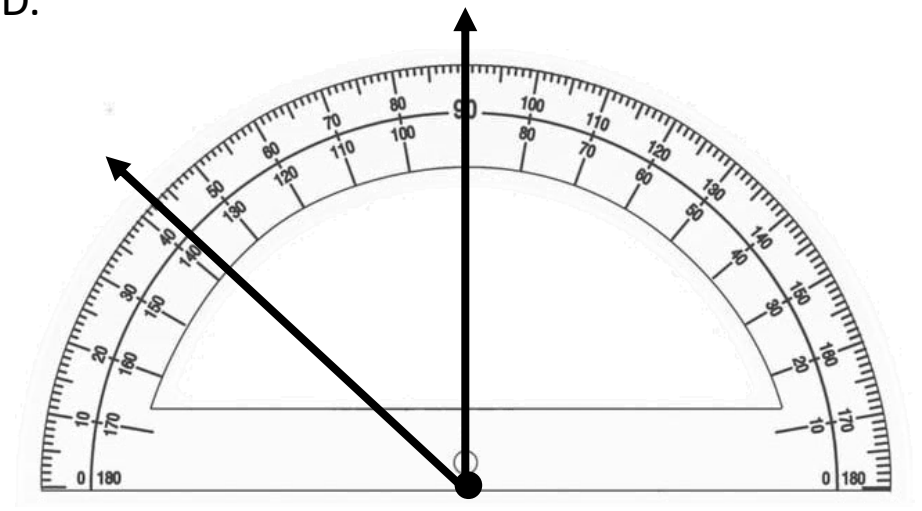
B.



C.



D.



Unit: 4th Measuring Angles
4.7.C – 4.7.D – 4.7.E – Measuring Angles
Problem Set: 4
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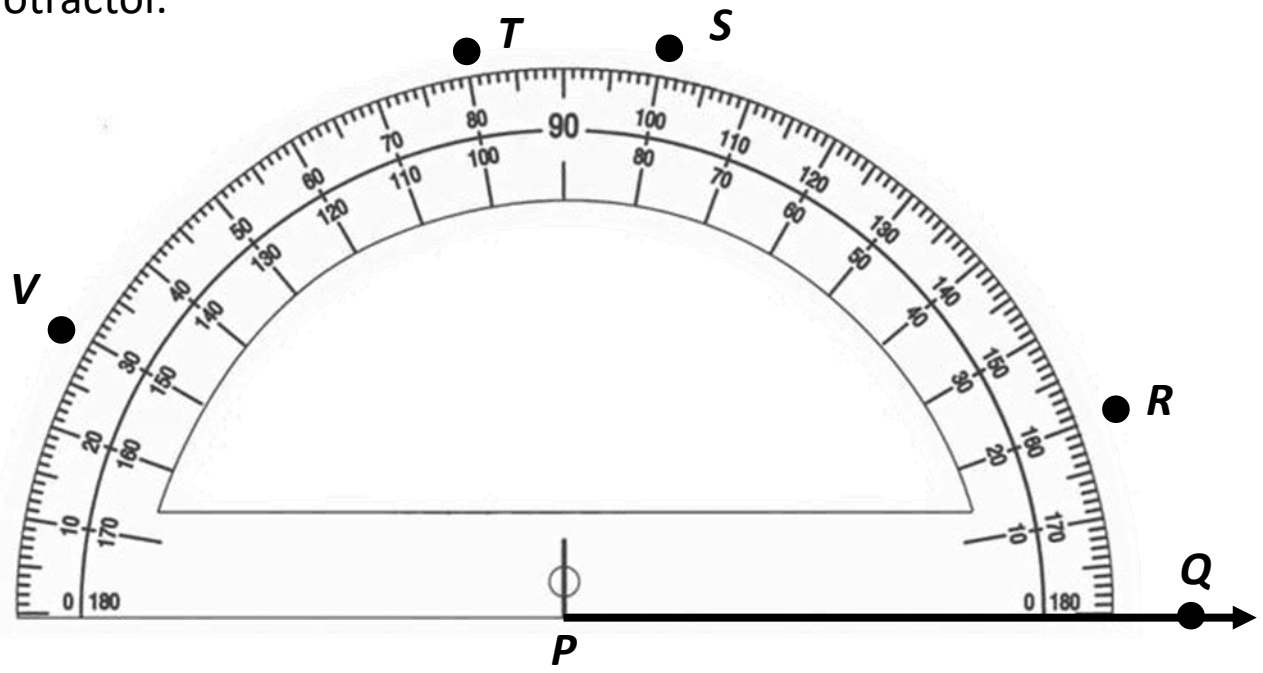
1 A	**2** 152^{O}	**3** A	**4** B	**5** D	**6** D
7 C	**8** C	**9** C	**10** A	**11** B	**12** B
13 B	**14** D	**15** D	**16** B	**17** A	**18** C
19 C	**20** D	**21** B	**22** B	**23** A	**24** D
25 65^{O}	**26** B	**27** C	**28** D	**29** A	**30** B

19. Frank is using a protractor to construct an angle that measures 100°. First, he draws Ray *PQ*, as shown on the protractor.



To complete the 100° angle, Frank should draw another ray that starts at point *P* and passes through –

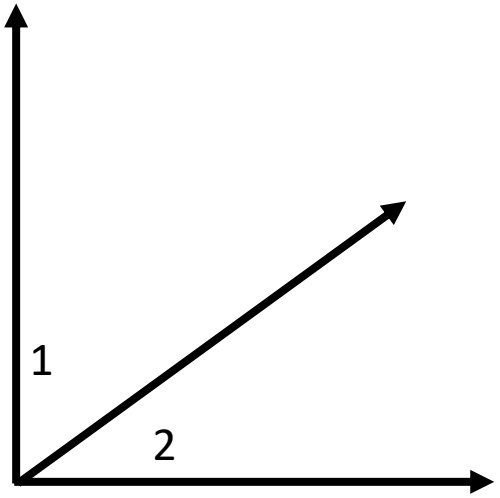
A. point *R*

B. point *S*

C. point *T*

D. point *V*

20. Angle 1 and Angle 2 form a right angle.



The measure of angle 1 is 54^{o}. What is the measure of angle 2?

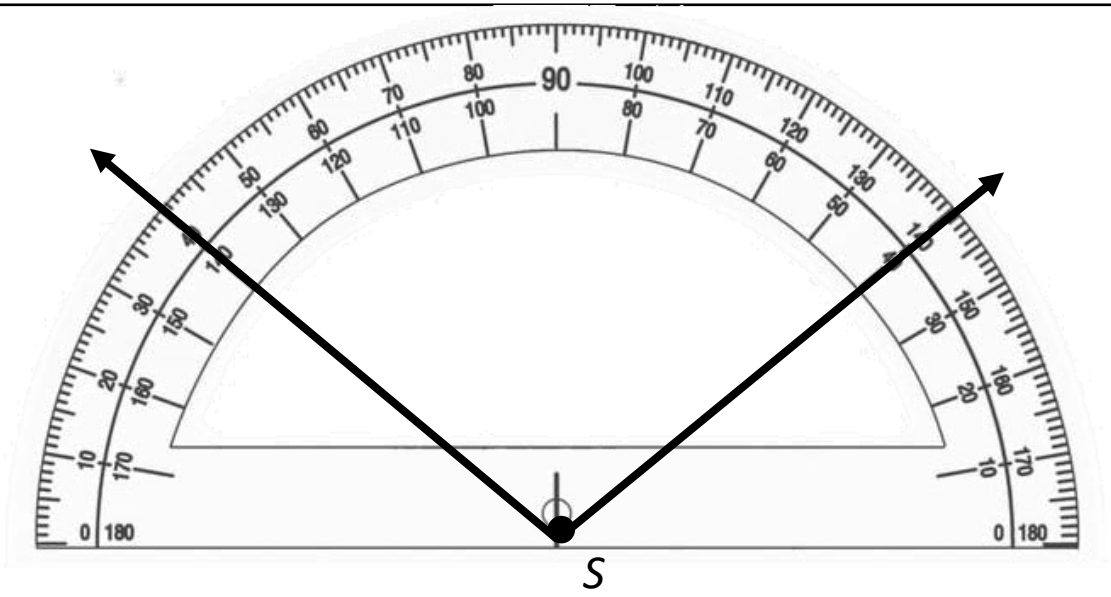
A. 18^{o}

B. 90^{o}

C. 58^{o}

D. 36^{o}

21. Angle *S* is shown on this protractor. What is the measure of angle *S* to the nearest degree?



A. 140°, because 180° minus 40° equals 140°

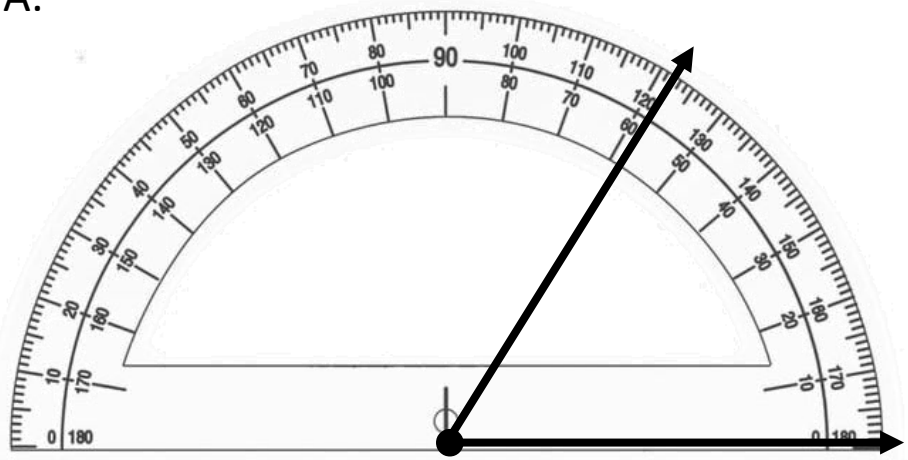
B. 100°, because 140° minus 40° equals 100°

C. 80°, because 40° plus 40° equals 80°

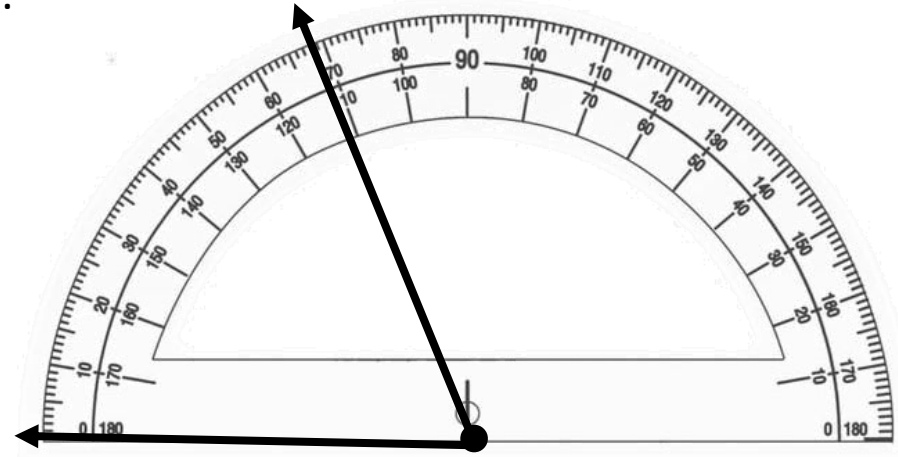
D. 130°, because 90° minus 40° equals 130°

22. Which angle appears to have a measure of 69°?

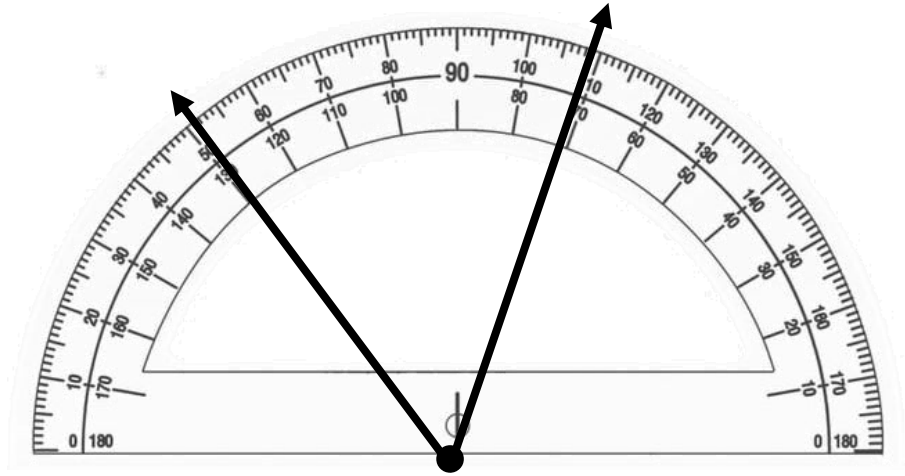
A.



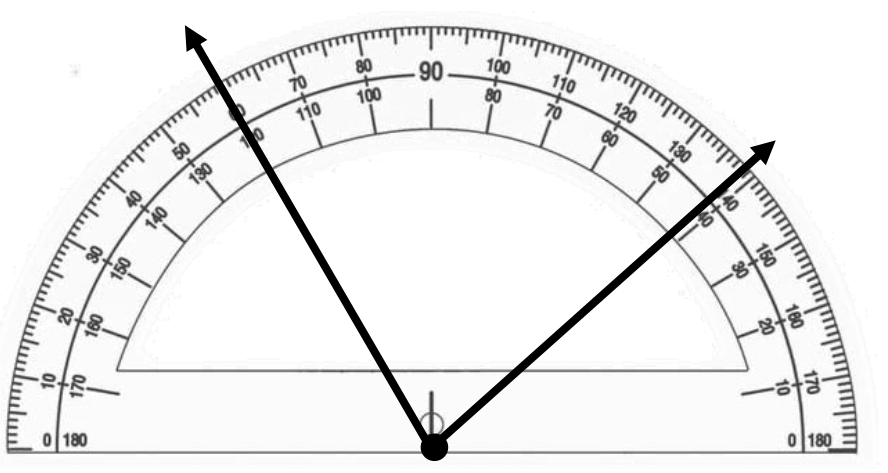
B.



C.

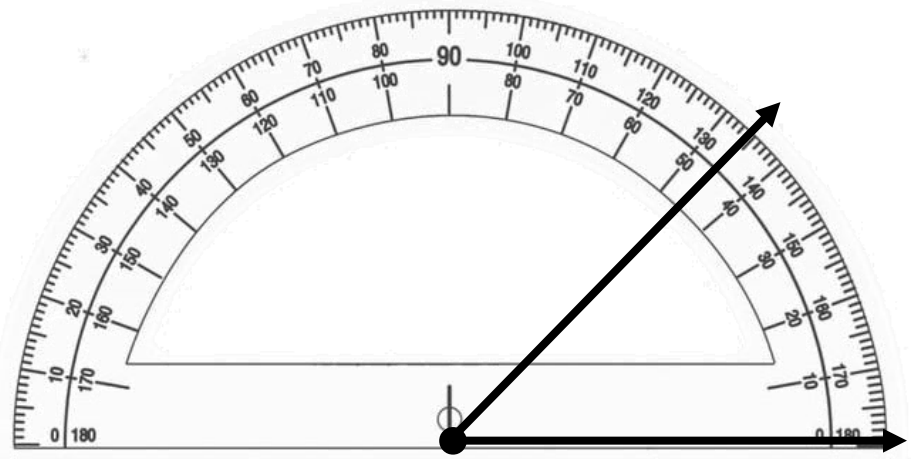


D.

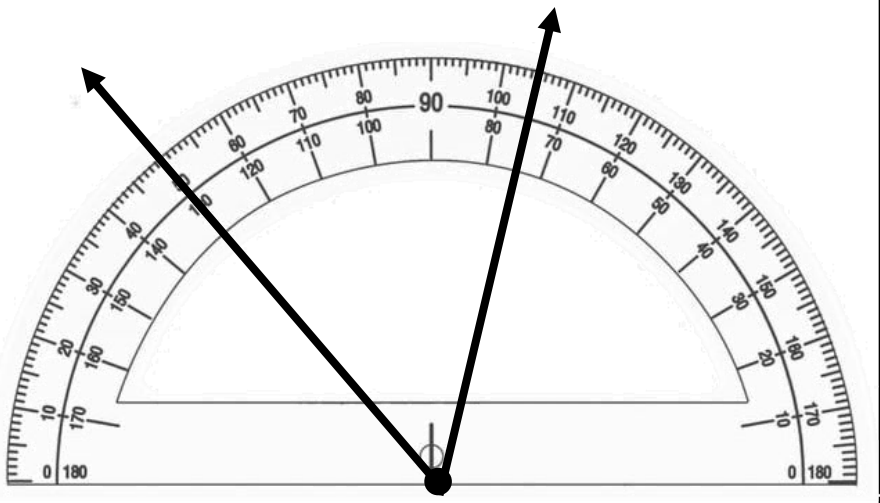


23. Which angle does *NOT* appear to have a measure of 55°?

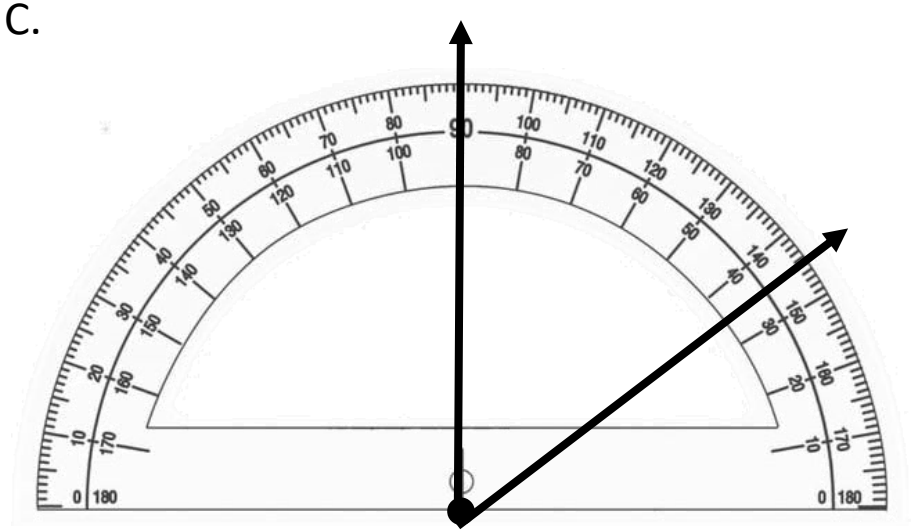
A.



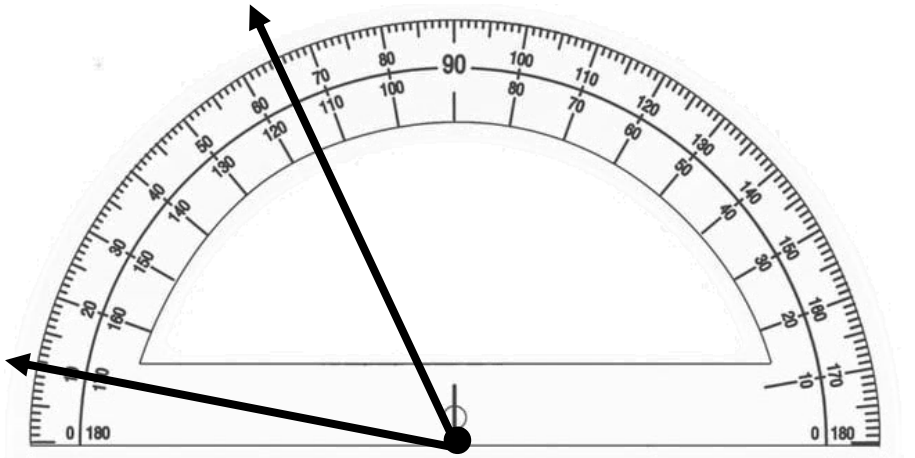
B.



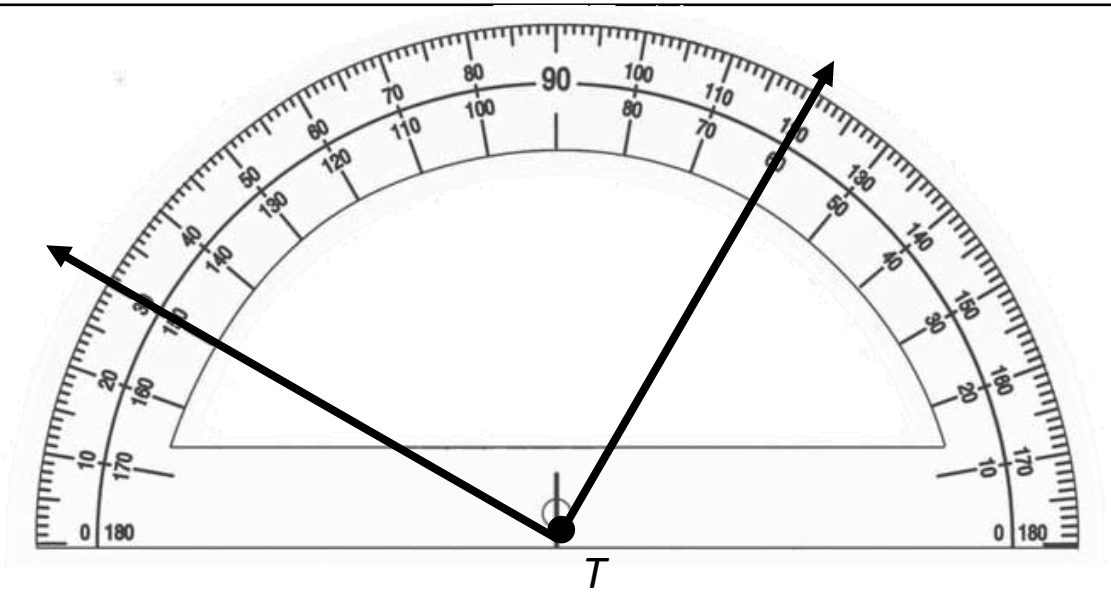
C.



D.



24. Angle *T* is shown on this protractor. What is the measure of angle *T* to the nearest degree?



A. 150°, because 30° plus 120° equals 150°

B. 30°, because 60° minus 30° equals 30°

C. 60°, because 180° minus 120° equals 60°

D. 90°, because 120° minus 30° equals 90°

Unit: 4th Measuring Angles
4.7.C – 4.7.D – 4.7.E – Measuring Angles
Problem Set: 5
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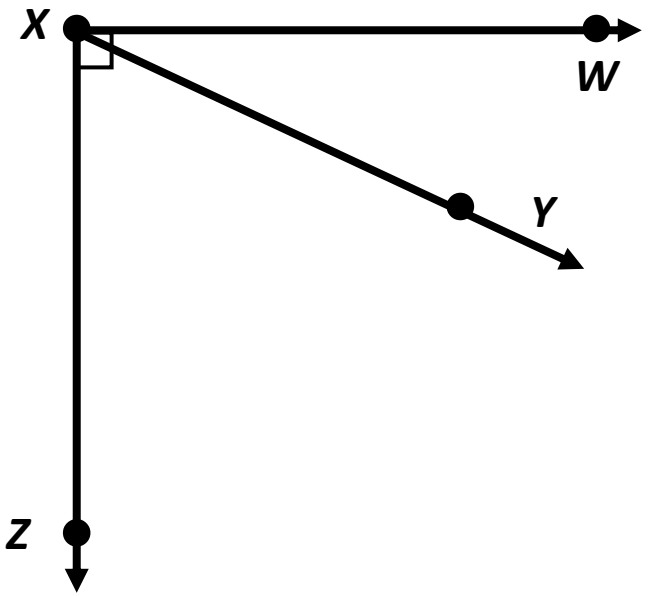
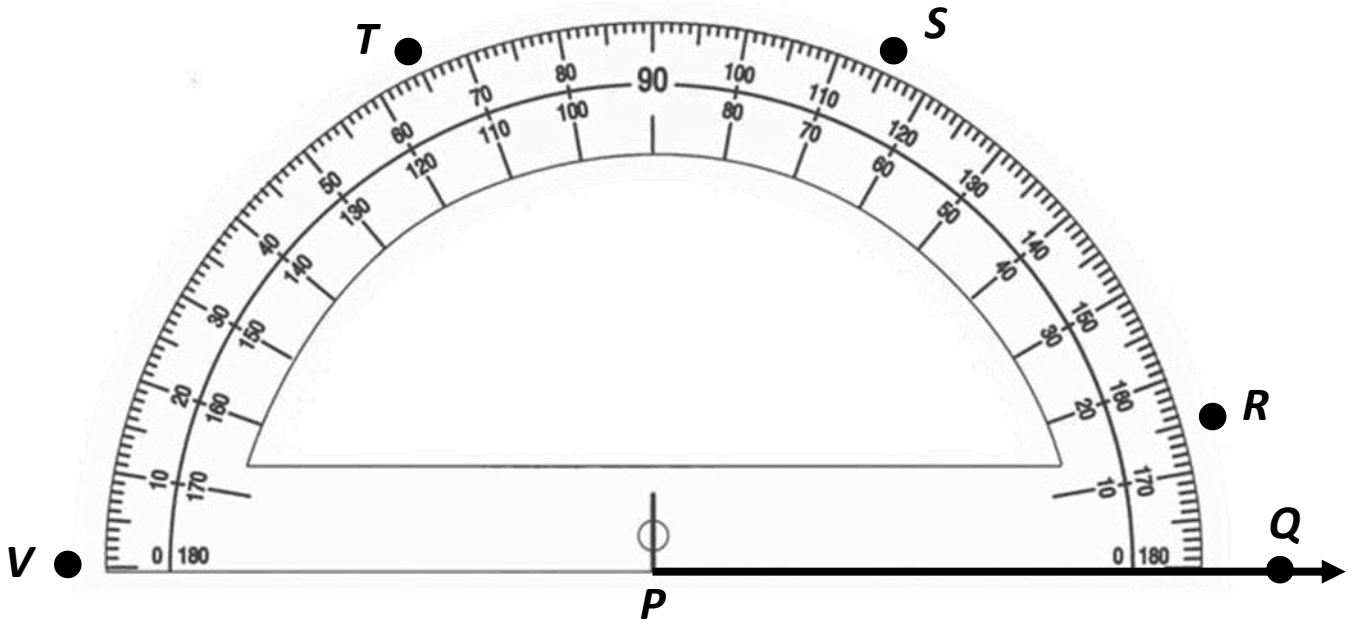
1 A	**2** 152^{O}	**3** A	**4** B	**5** D	**6** D
7 C	**8** C	**9** C	**10** A	**11** B	**12** B
13 B	**14** D	**15** D	**16** B	**17** A	**18** C
19 C	**20** D	**21** B	**22** B	**23** A	**24** D
25 65^{O}	**26** B	**27** C	**28** D	**29** A	**30** B

25. The measure of angle *WXZ* is 90°. The measure of angle *WXY* is 25°.



What is the measure in degrees of angle *YXZ*?

26. Frank is using a protractor to construct an angle that measures 65°. First, he draws Ray *PQ*, as shown on the protractor.



To complete the 65° angle, Frank should draw another ray that starts at point *P* and passes through –

A. point *R*

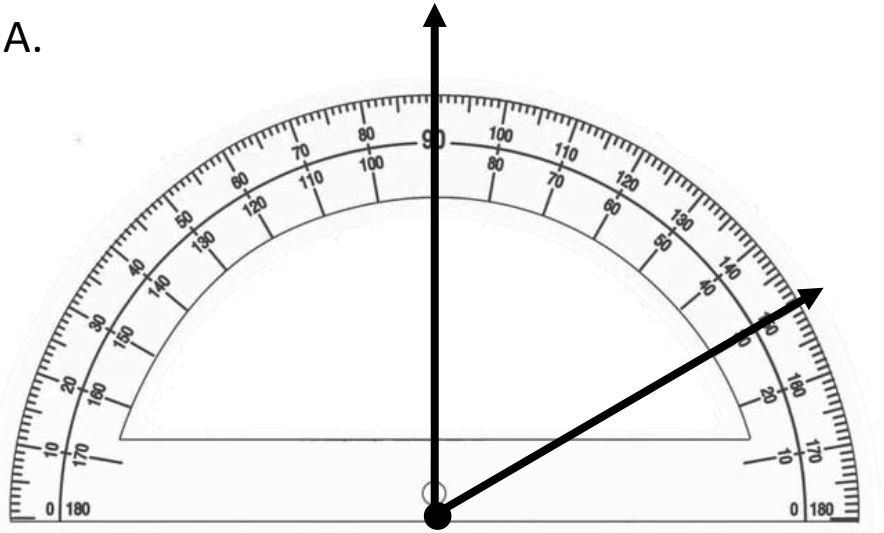
B. point *S*

C. point *T*

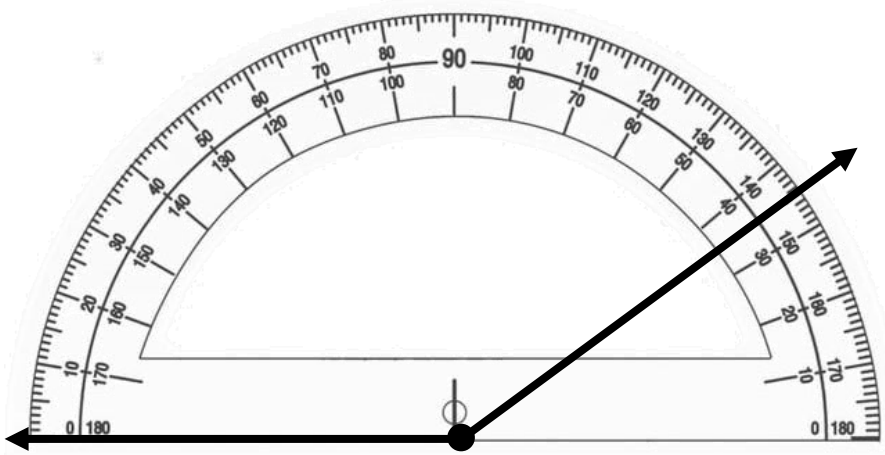
D. point *V*

27. Which angle has a measure closest to 30°?

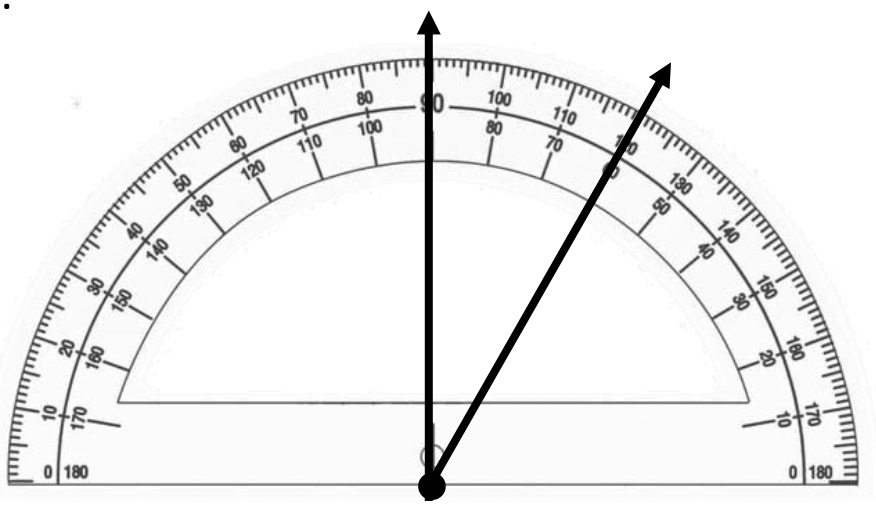
A.



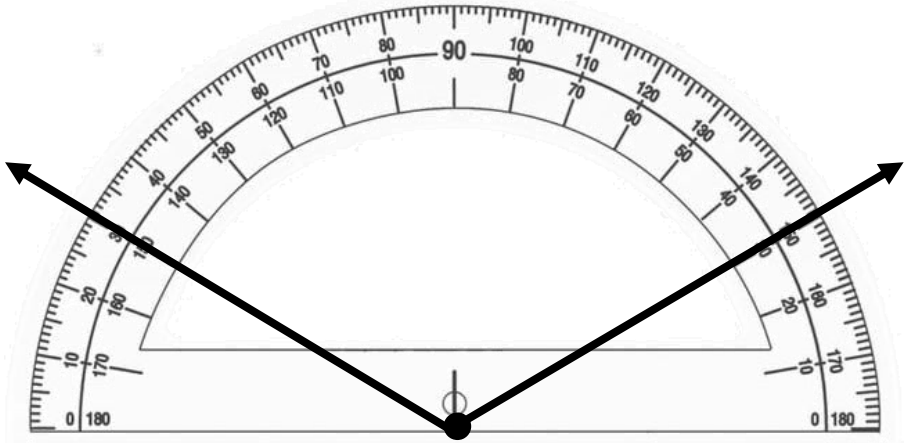
B.



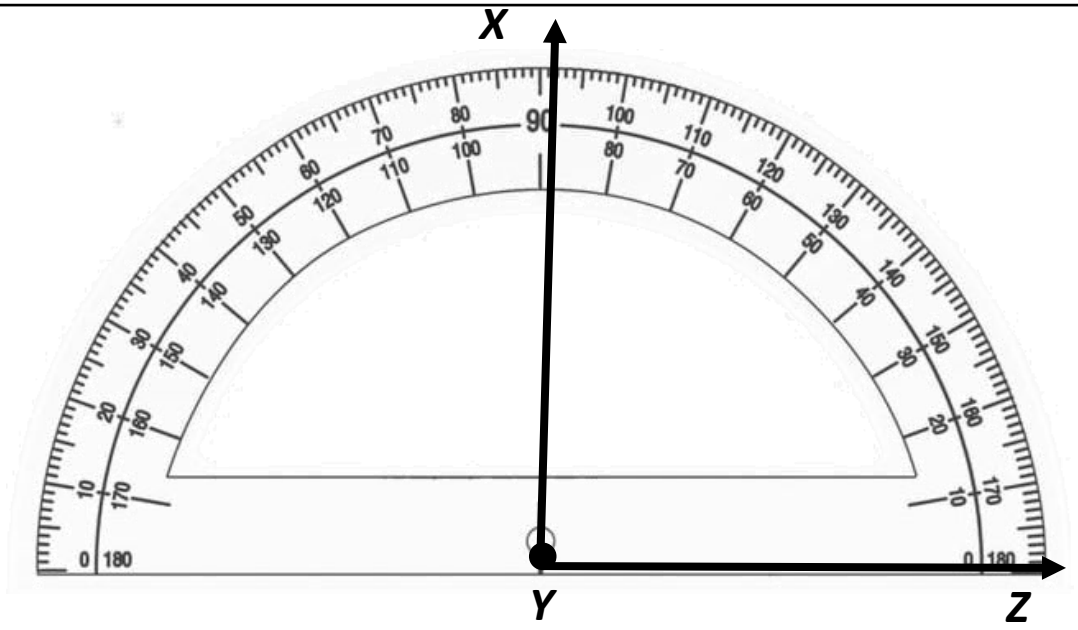
C.



D.



28. What is the measure of angle XYZ to the nearest degree?



A. 180°

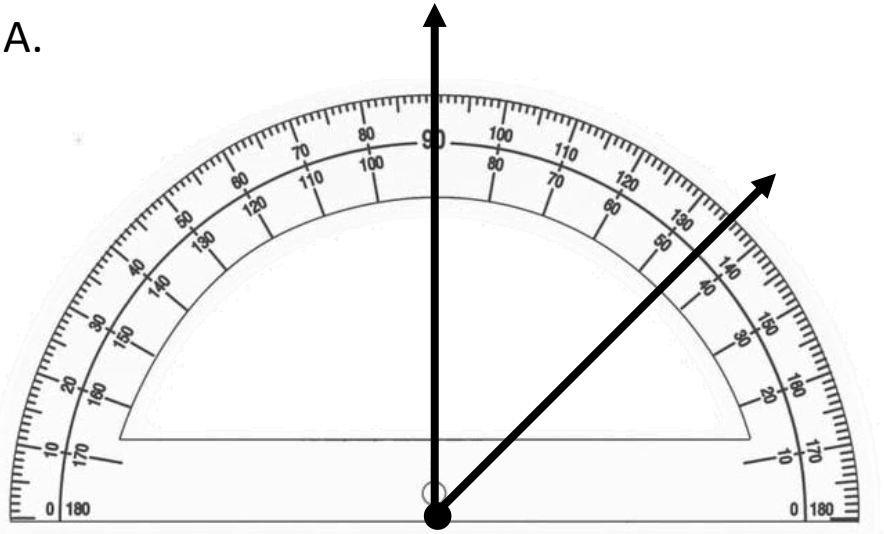
B. 109°

C. 91°

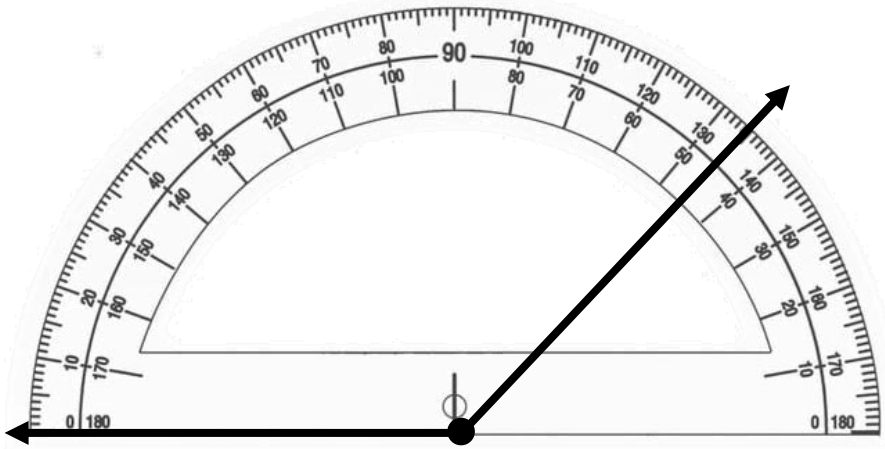
D. 89°

29. Which angle has a measure closest to 45°?

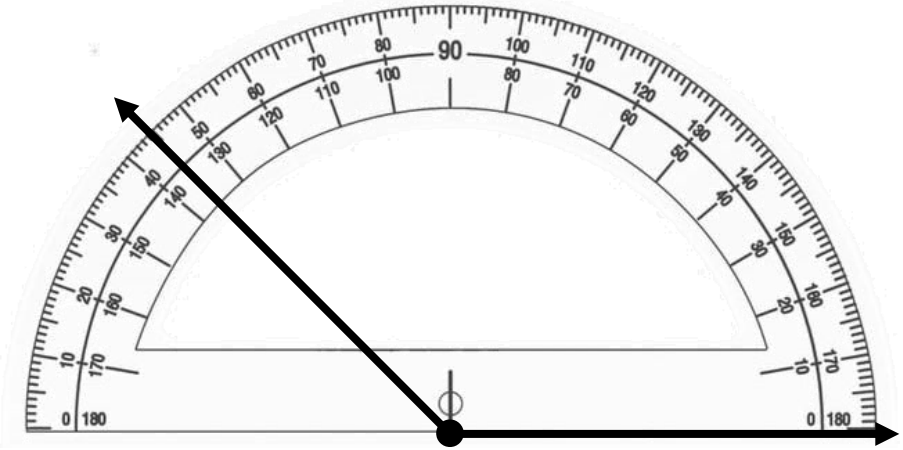
A.



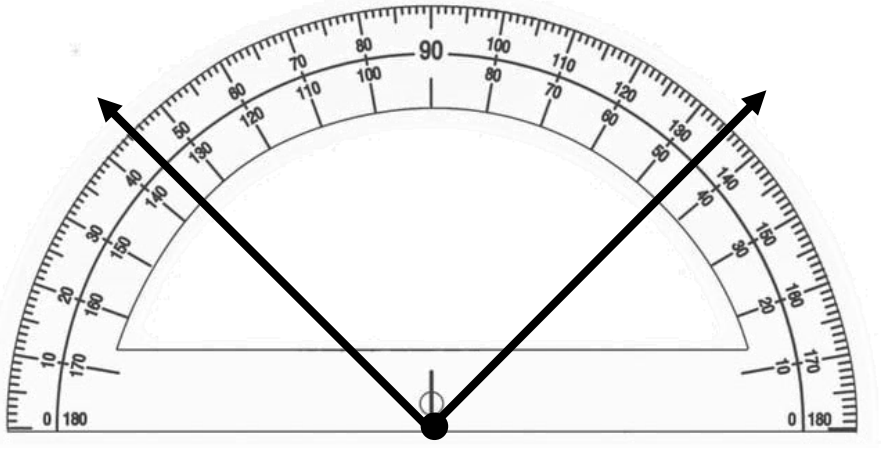
B.



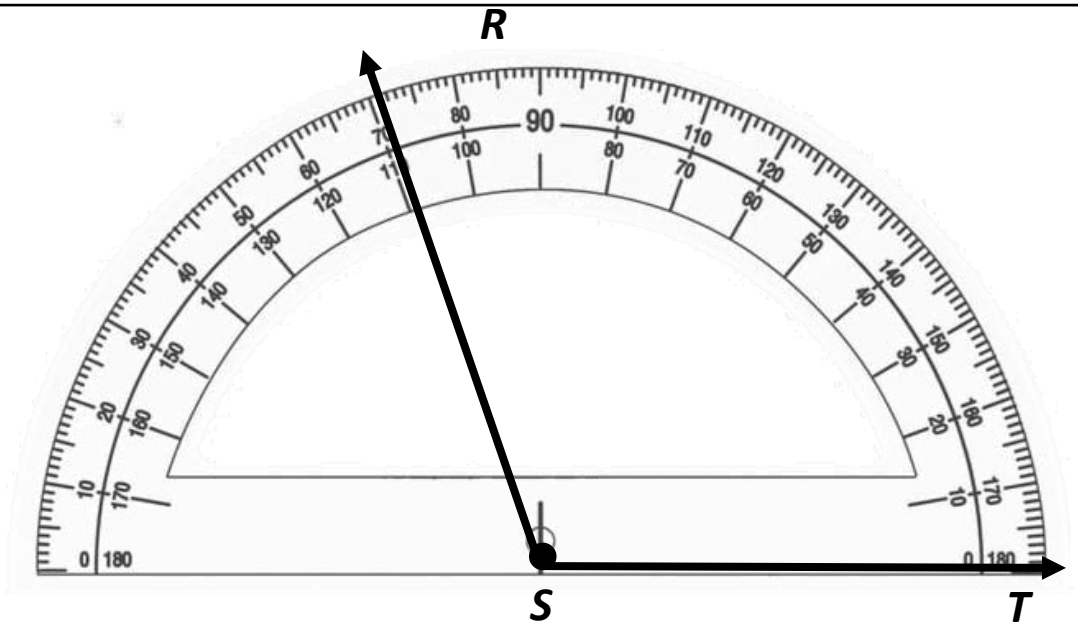
C.



D.



30. What is the measure of angle *RST* to the nearest degree?



A. 180°

B. 109°

C. 71°

D. 89°