

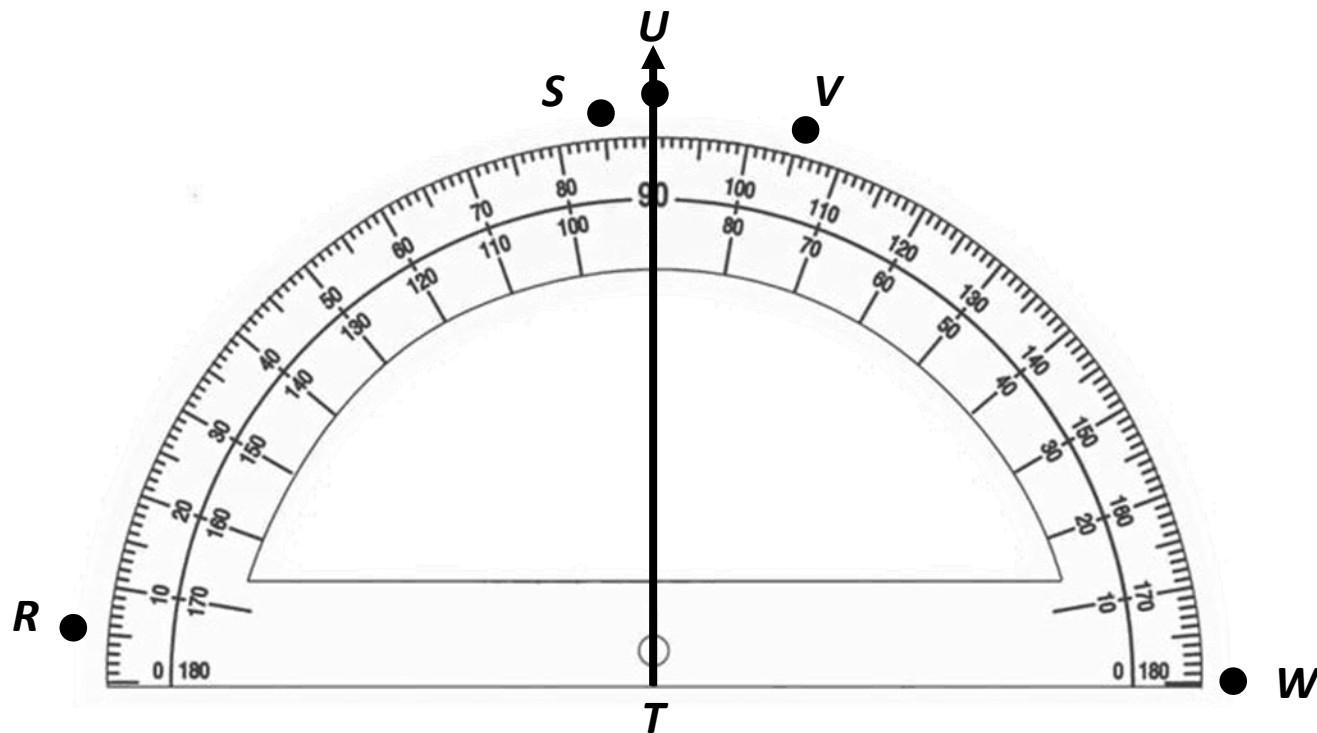
4.7.C – 4.7.D – 4.7.E – Measuring Angles

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

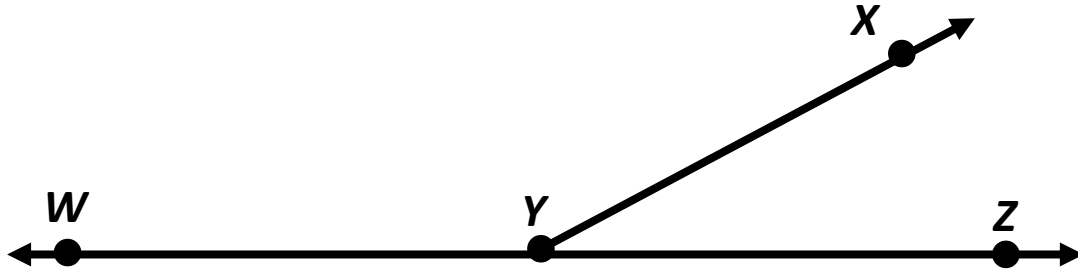
1. Ray TU has been drawn on the protractor as shown.



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

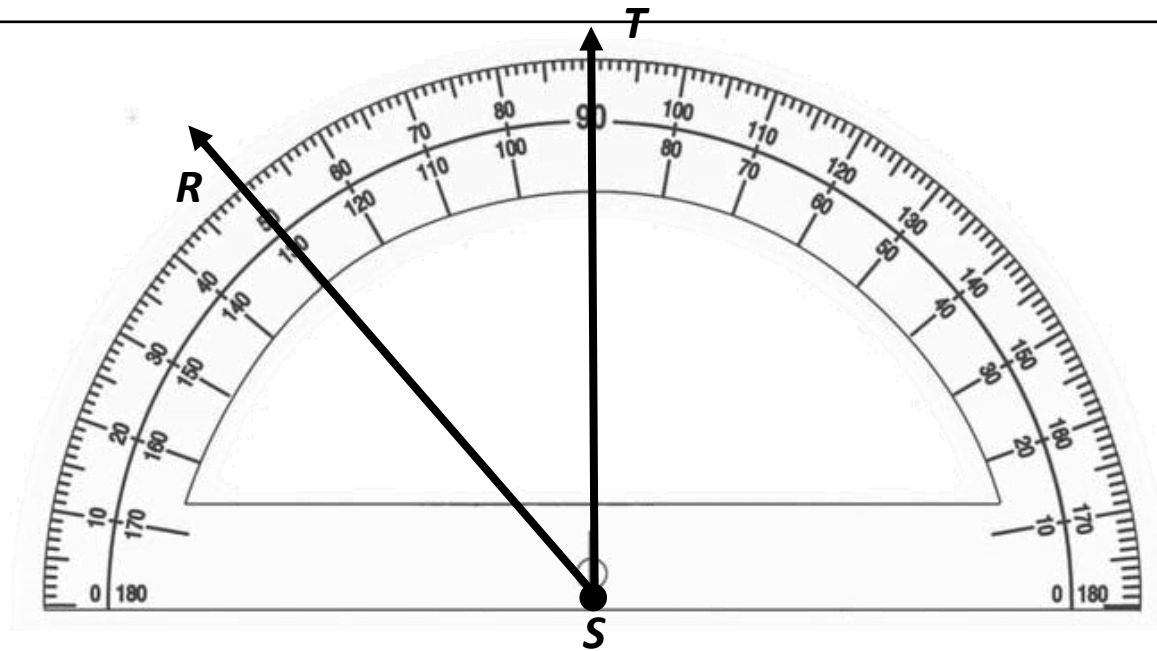
- A. point R
- B. point S
- C. point V
- C. point W

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°

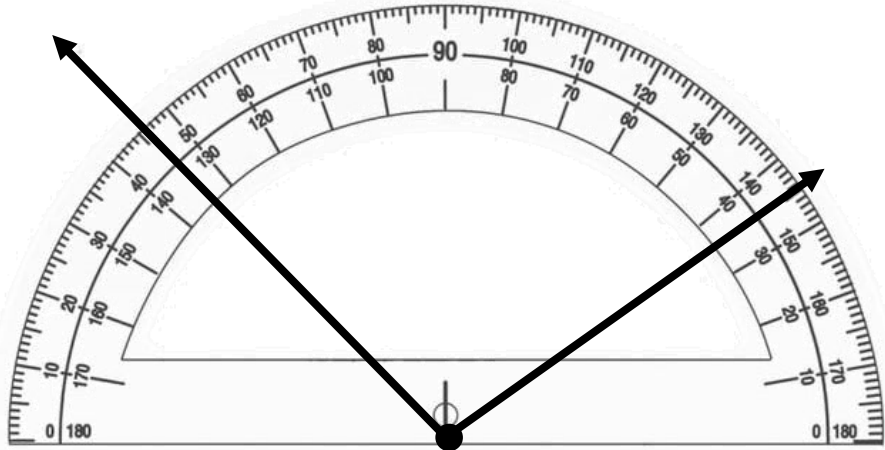
B. 50°

C. 130°

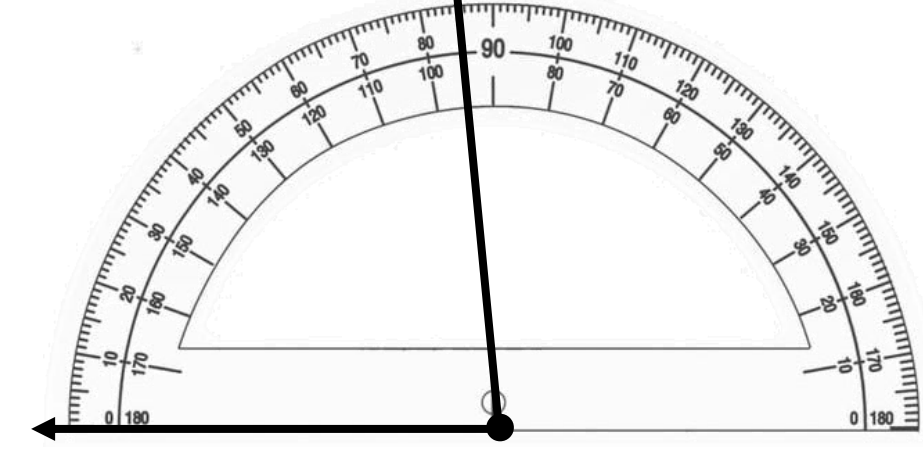
D. 80°

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

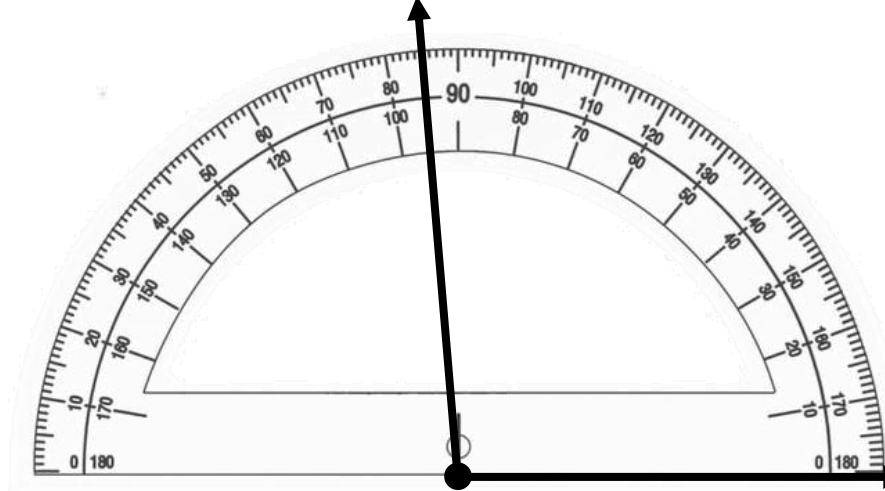
A.



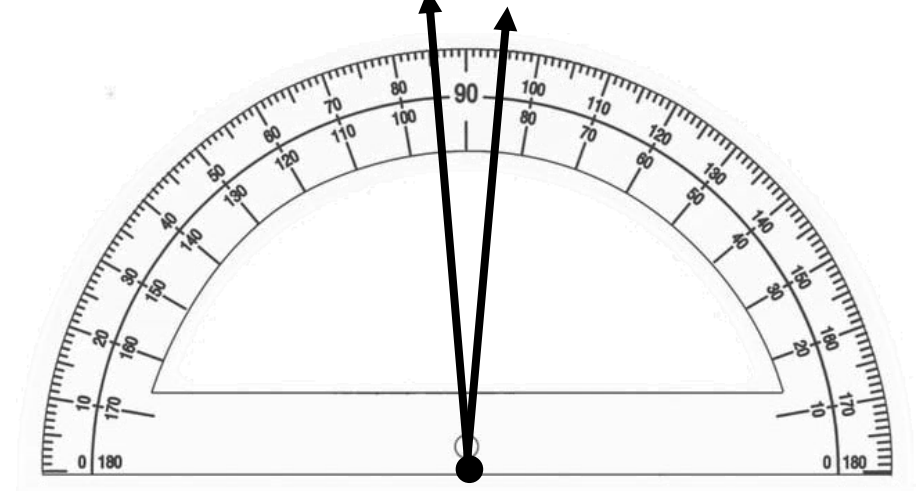
C.



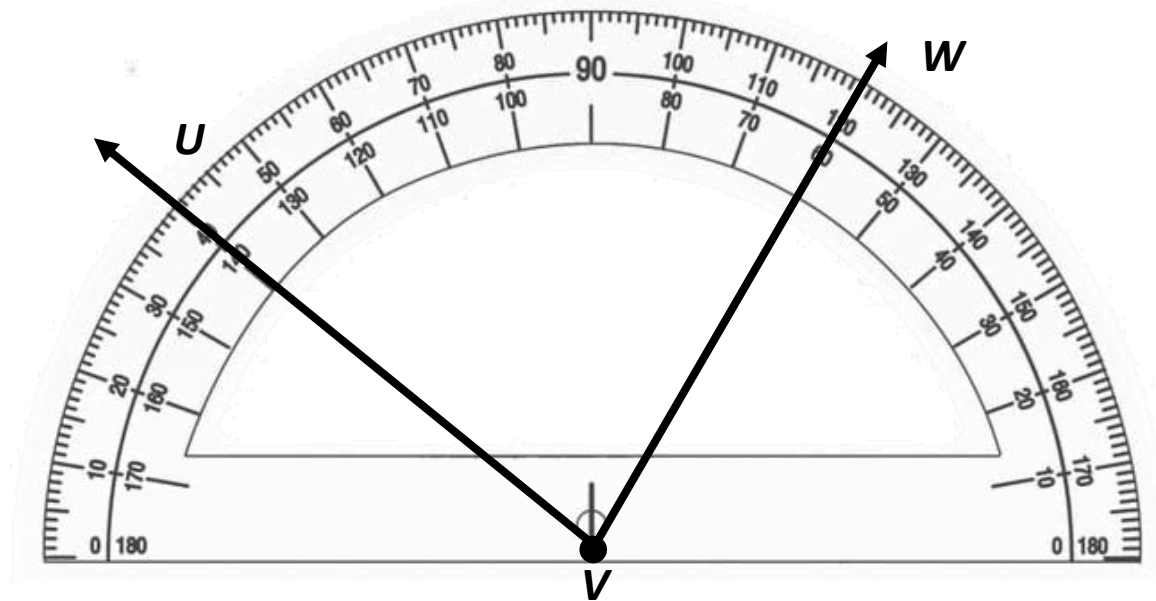
B.



D.



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



A. 40°

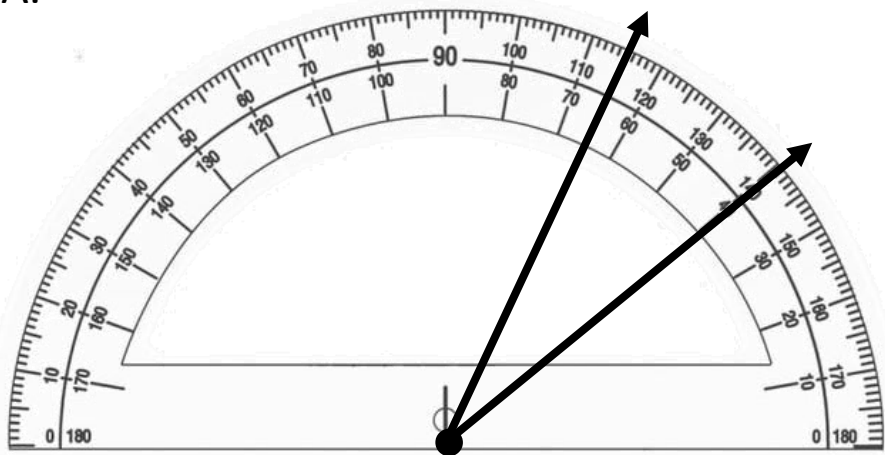
B. 50°

C. 130°

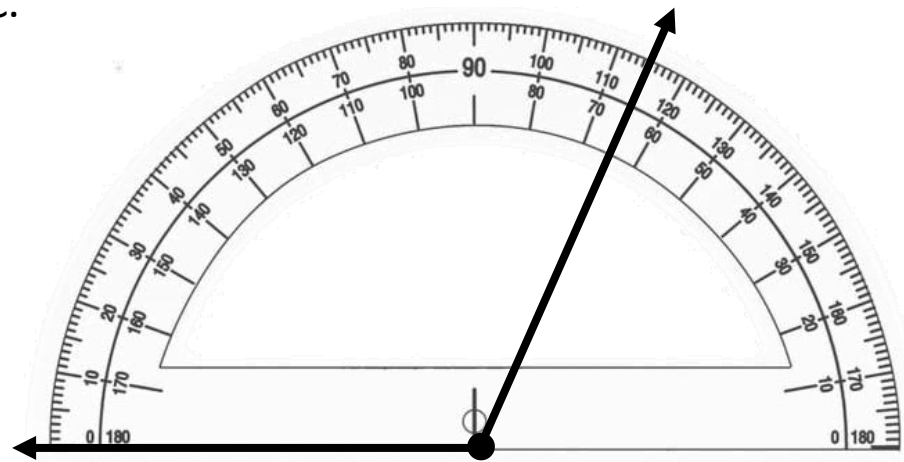
D. 80°

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

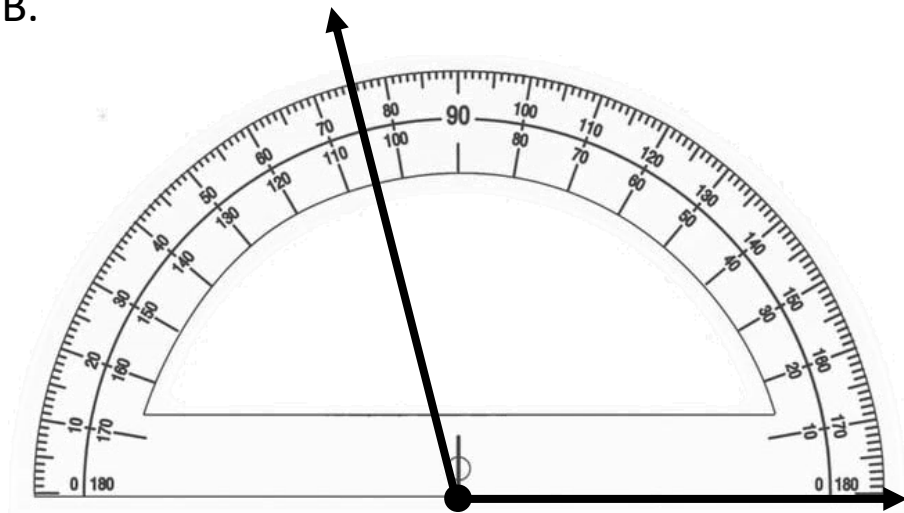
A.



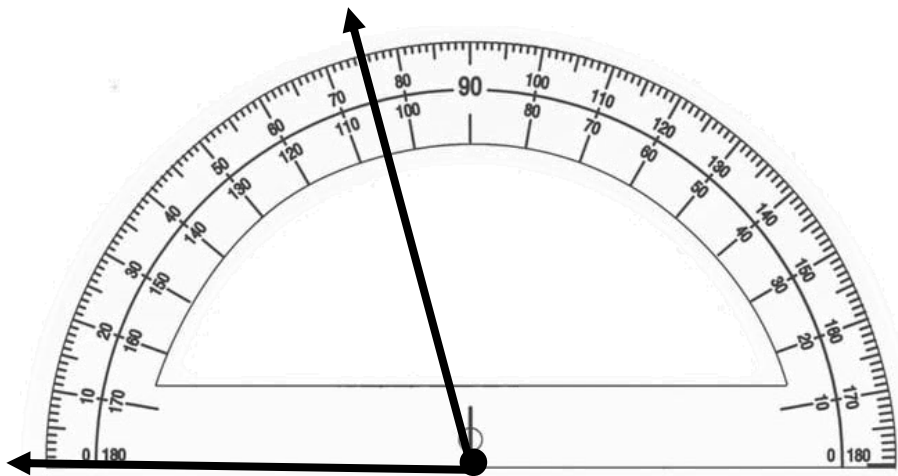
C.



B.



D.



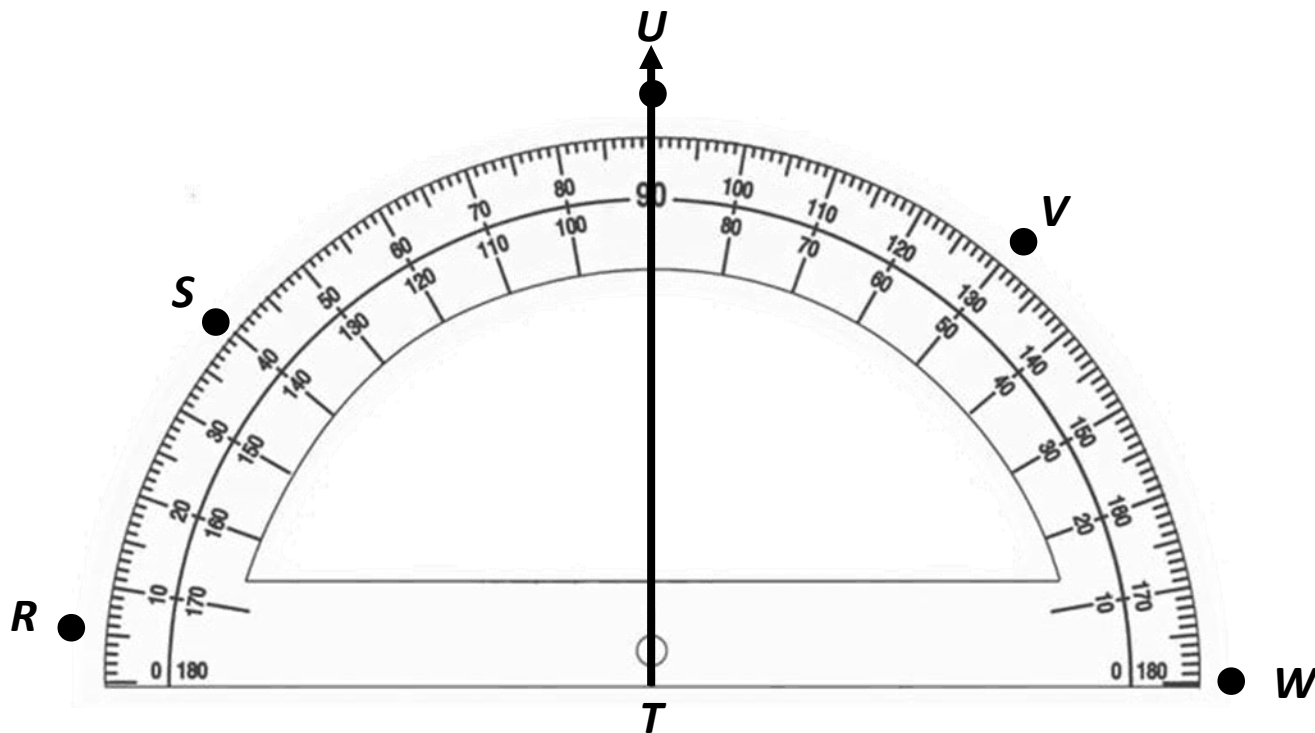
4.7.C – 4.7.D – 4.7.E – Measuring Angles

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

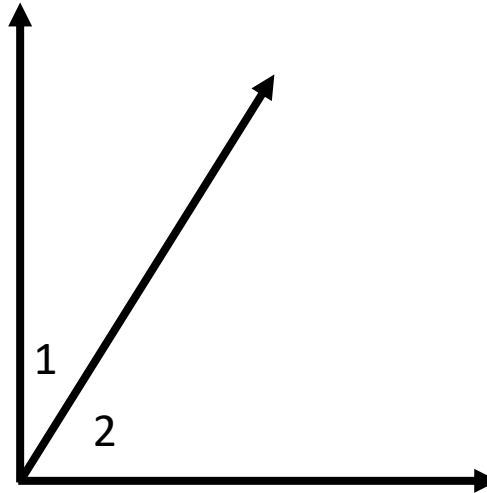
7. Ray TU has been drawn on the protractor as shown.



To construct an angle that has a measure of 40° , 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

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



The measure of angle 1 is 32° . What is the measure of angle 2?

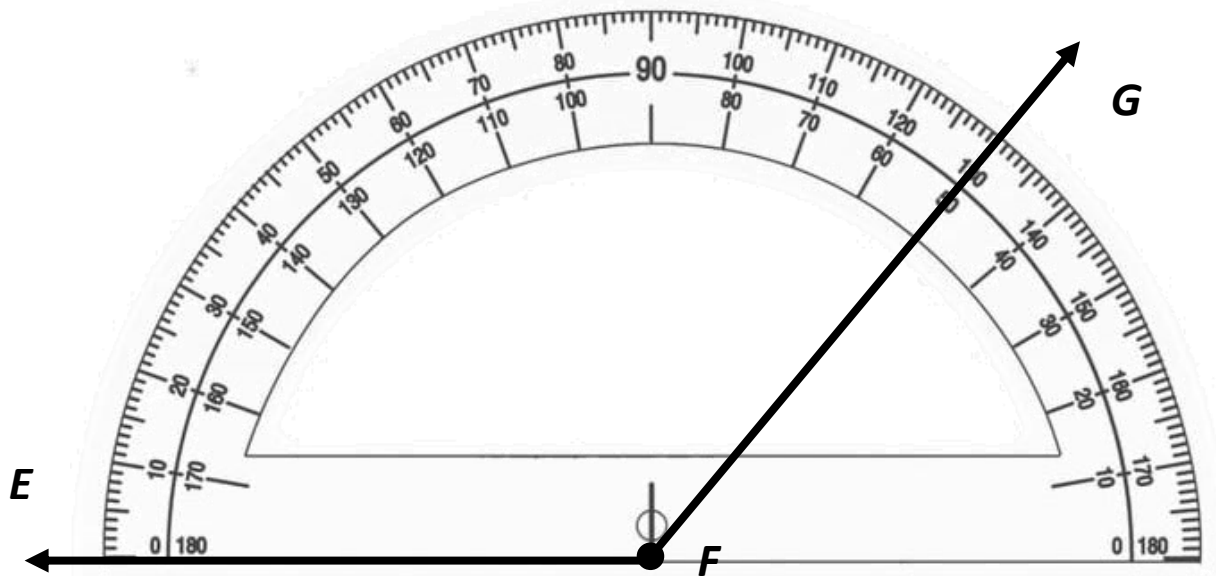
A. 32°

B. 90°

C. 58°

D. 62°

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



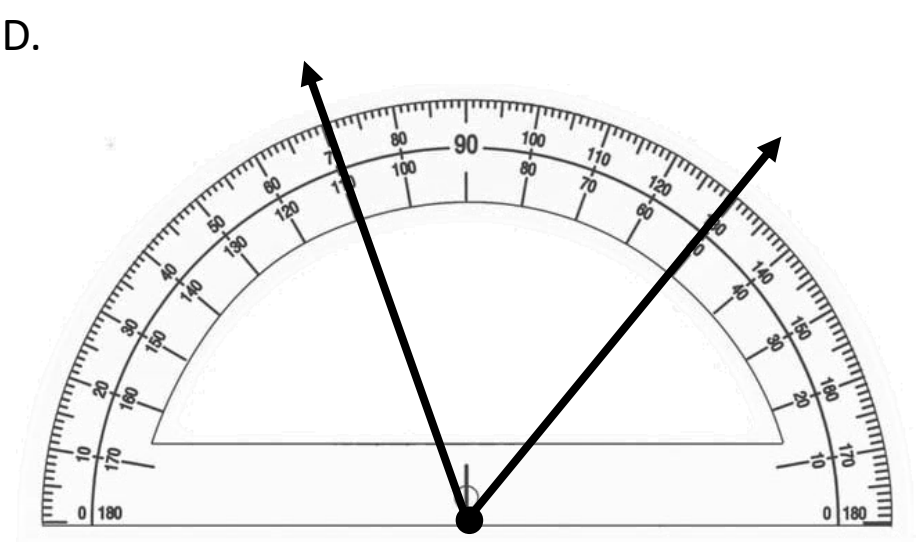
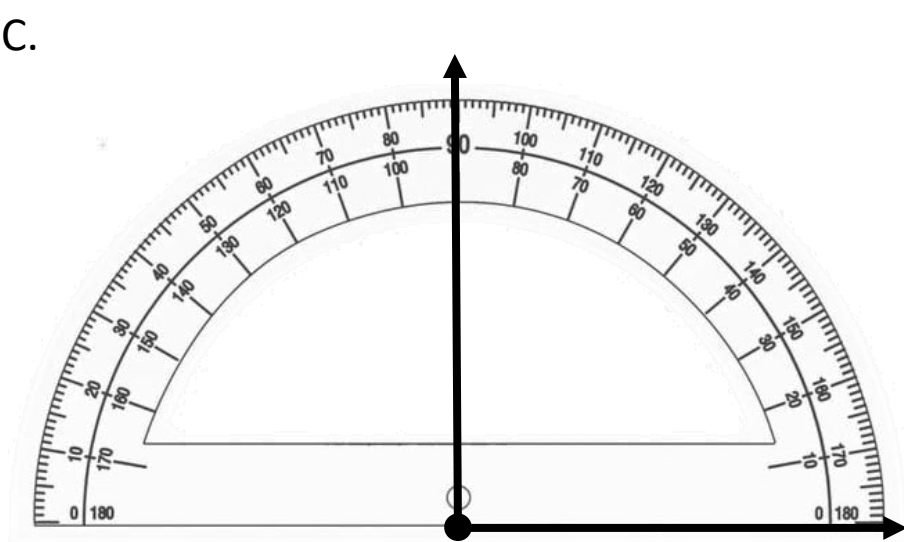
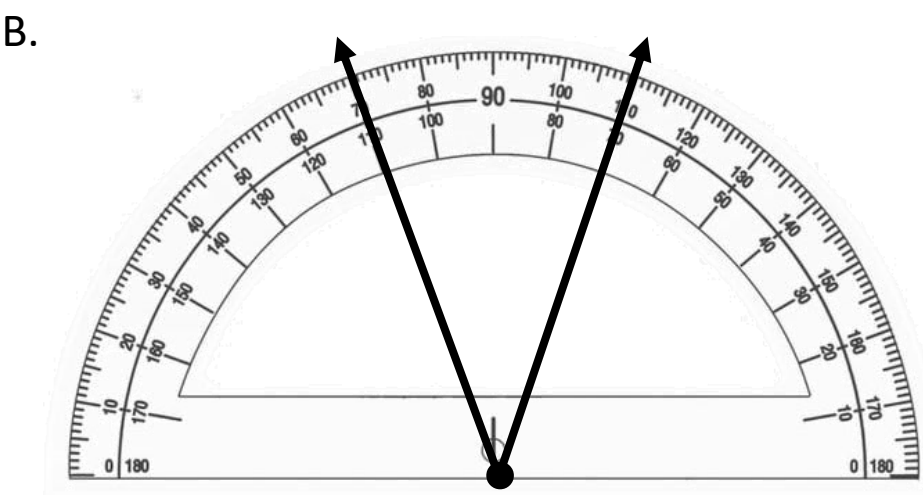
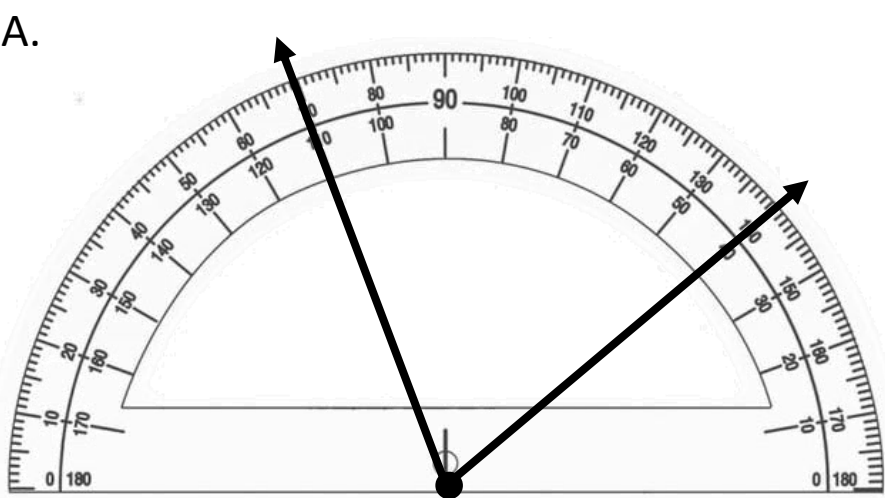
A. 40°

B. 50°

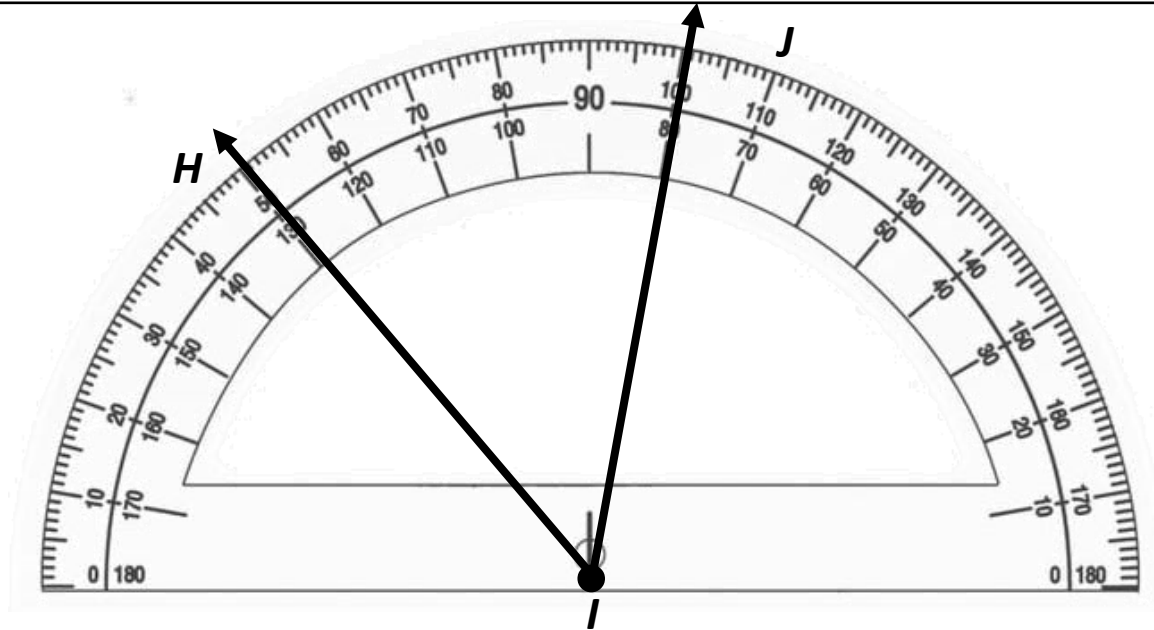
C. 130°

D. 80°

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



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



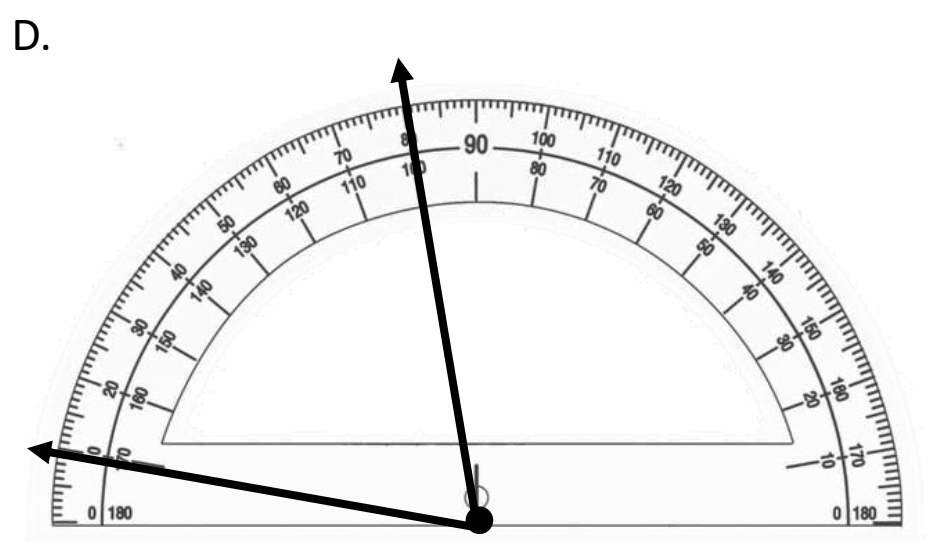
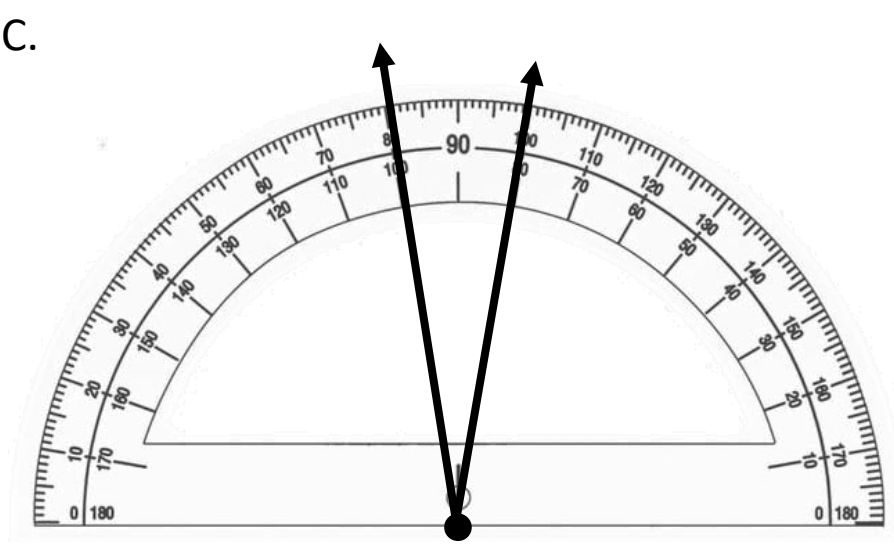
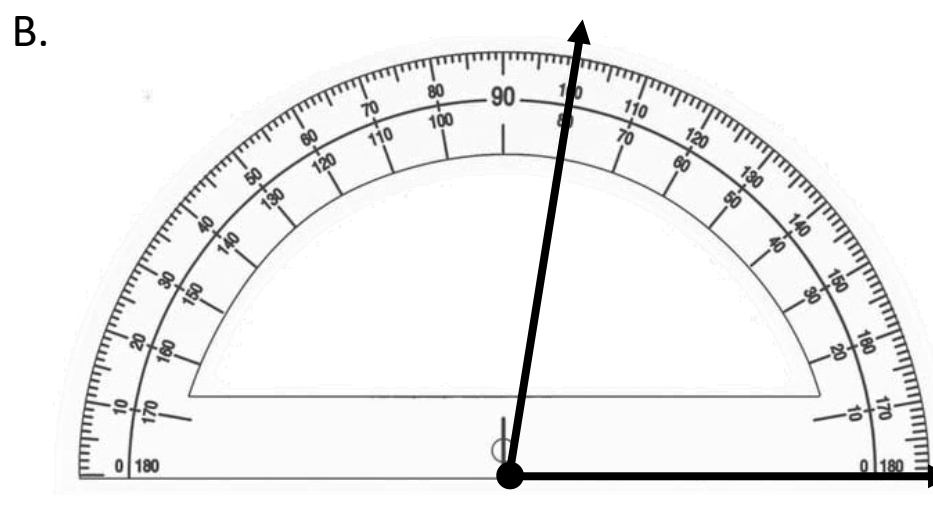
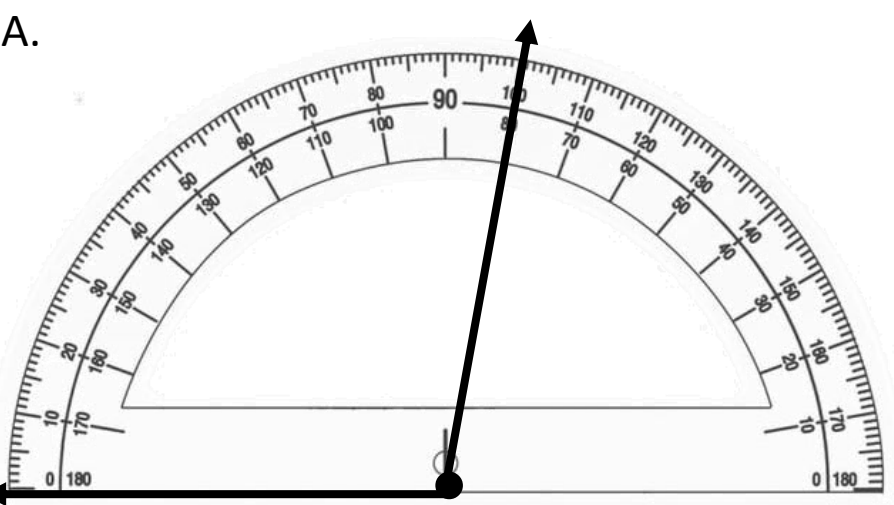
A. 40°

B. 50°

C. 130°

D. 80°

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



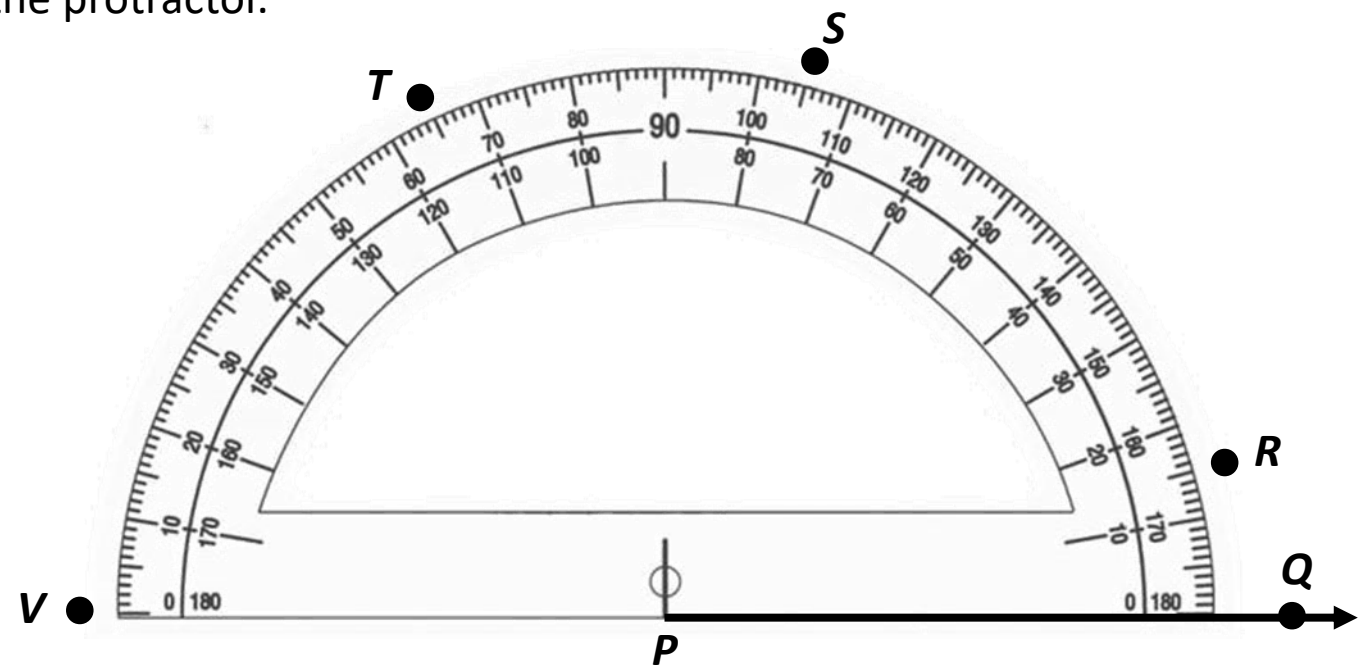
4.7.C – 4.7.D – 4.7.E – Measuring Angles

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

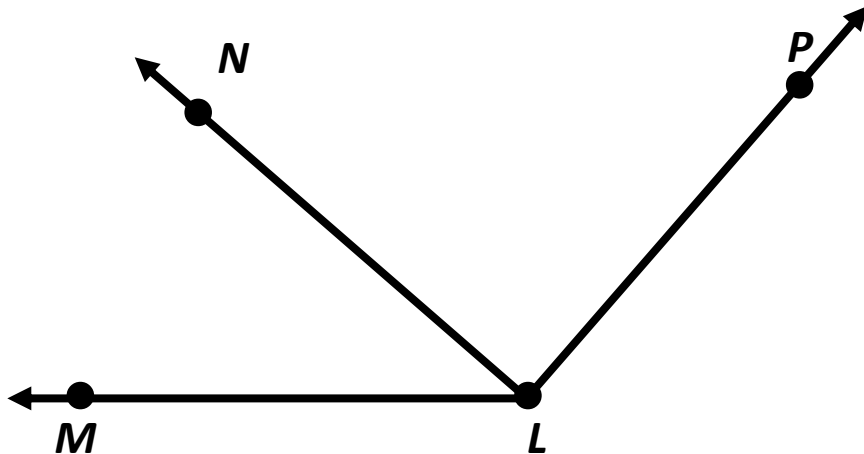
13. Frank is using a protractor to construct an angle that measures 75° . First, he draws Ray PQ , as shown on the protractor.



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

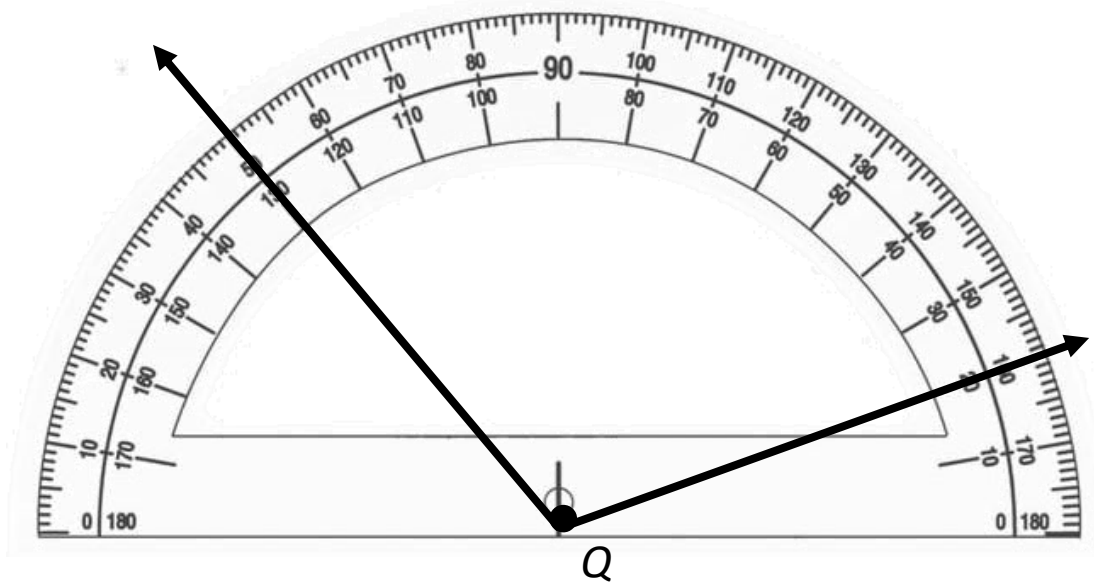
14. Angle MLN has a measure of 41° . Angle NLP is a right angle.



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?



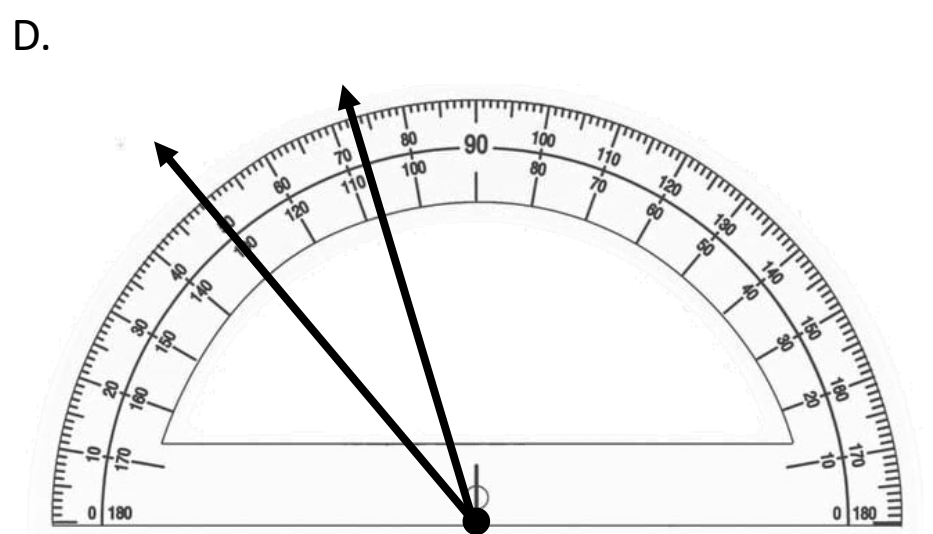
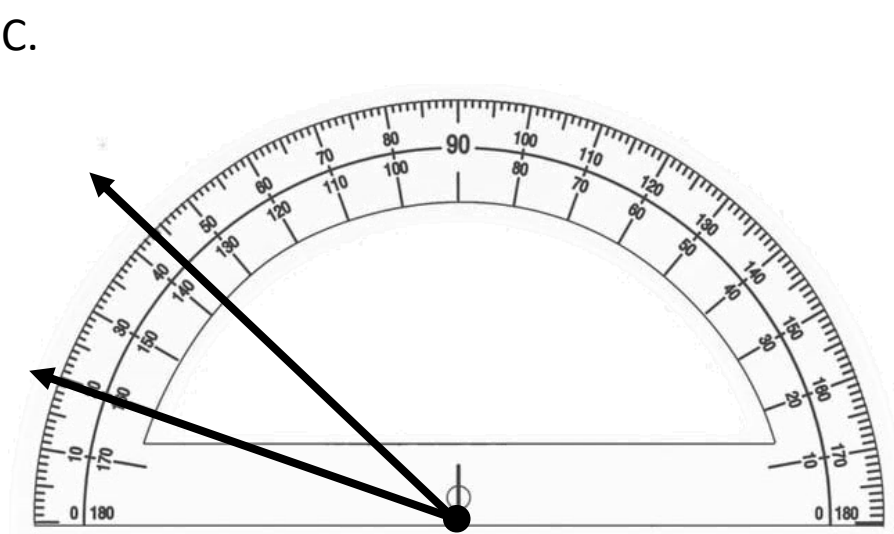
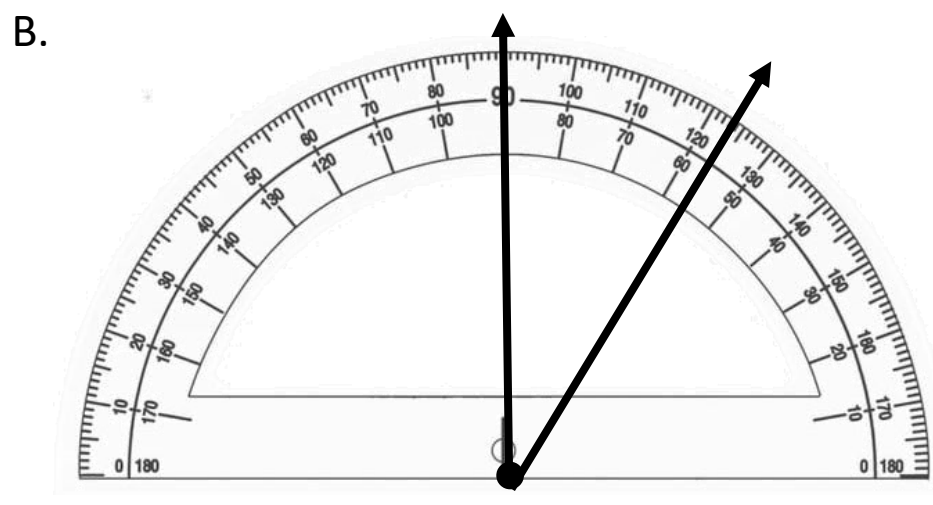
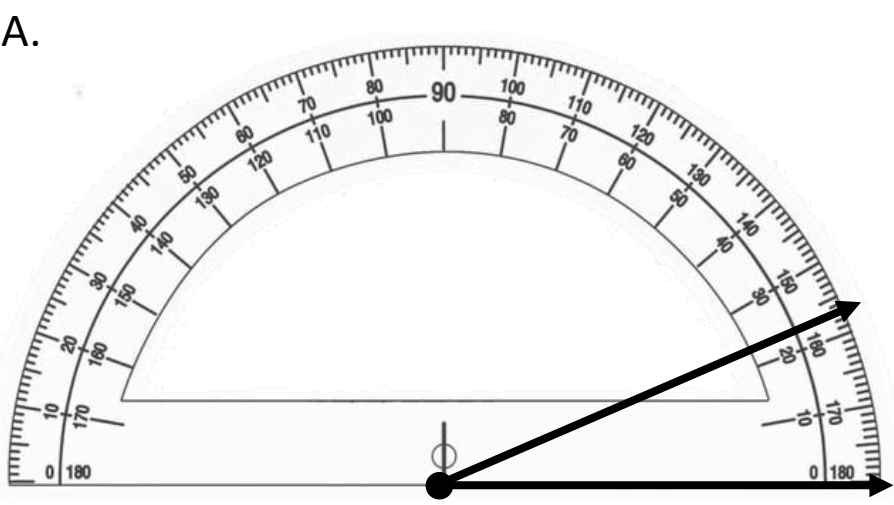
A. 70° , because 50° plus 20° equals 70°

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

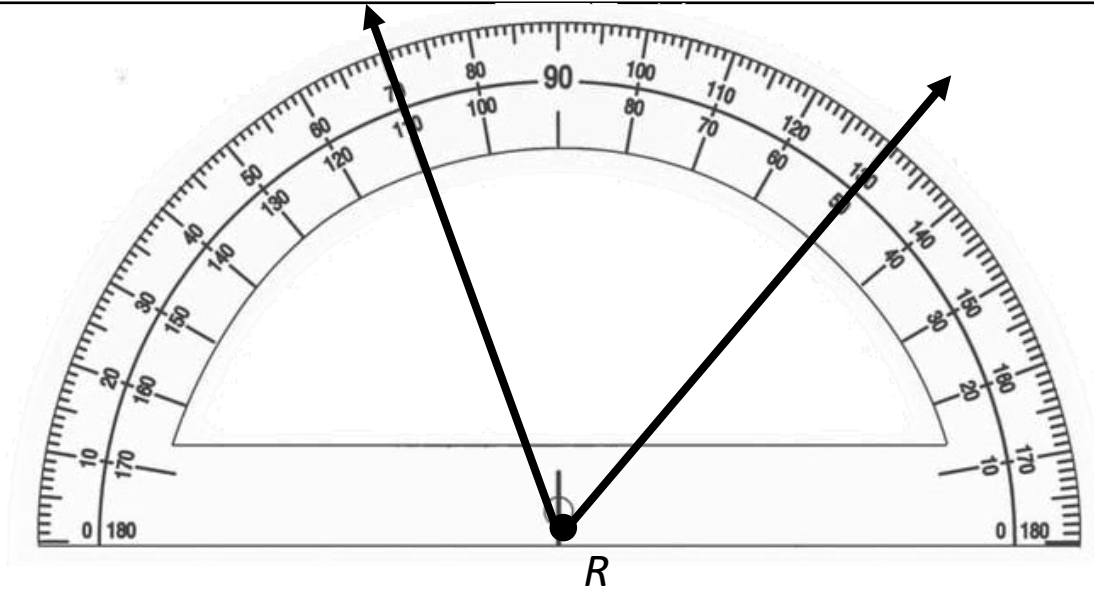
C. 30° , because 160° minus 130° equals 30°

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

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



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



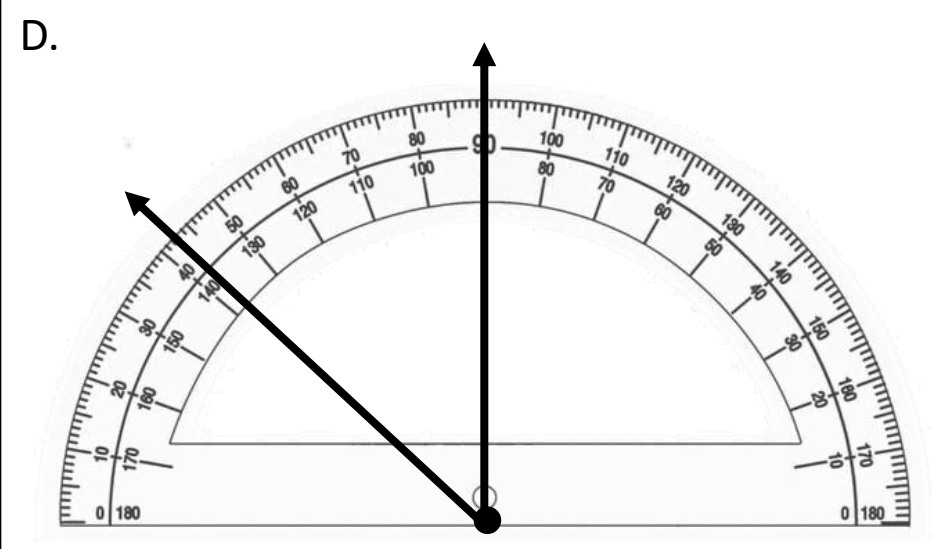
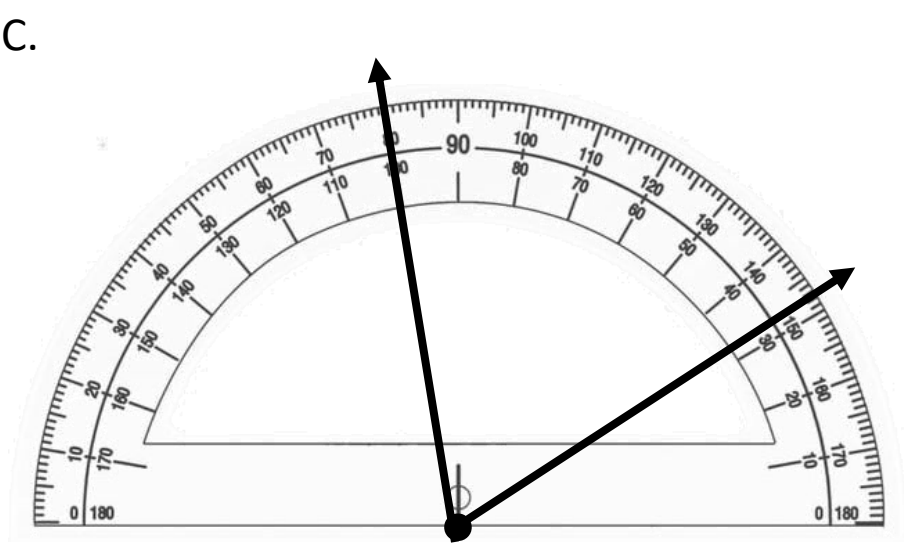
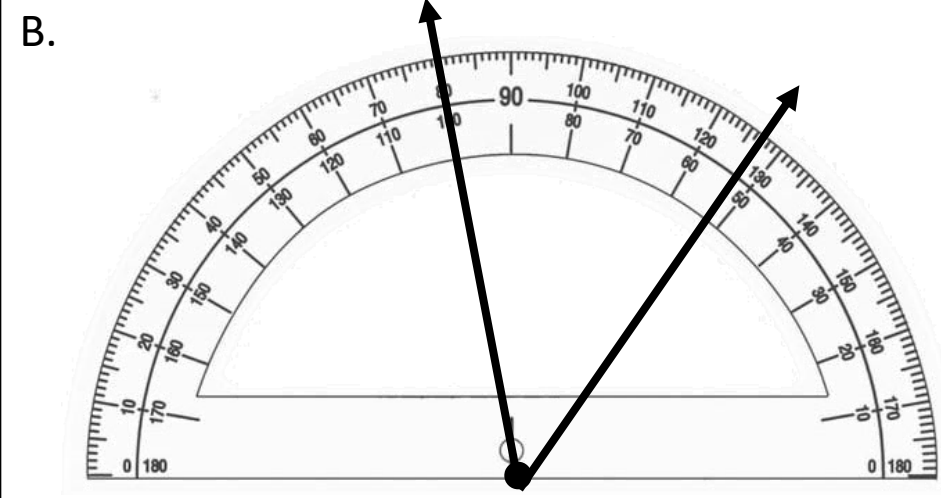
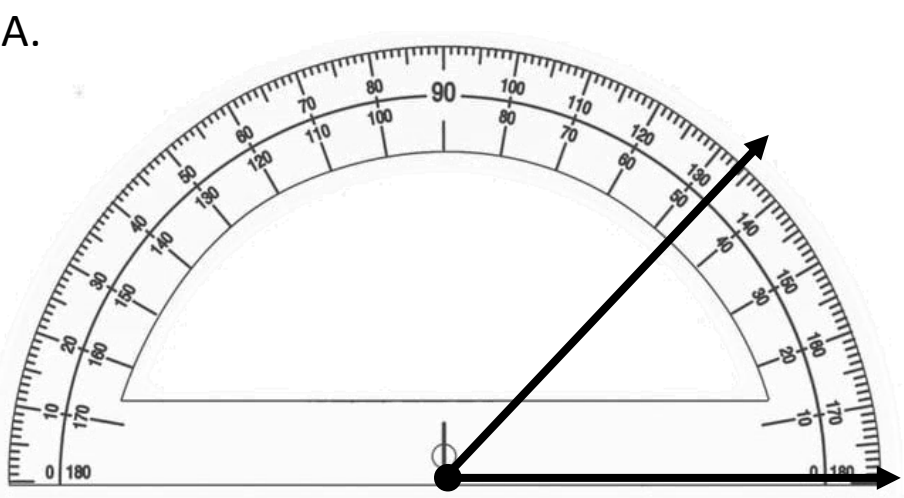
A. 60° , because 130° minus 70° equals 60°

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° ?



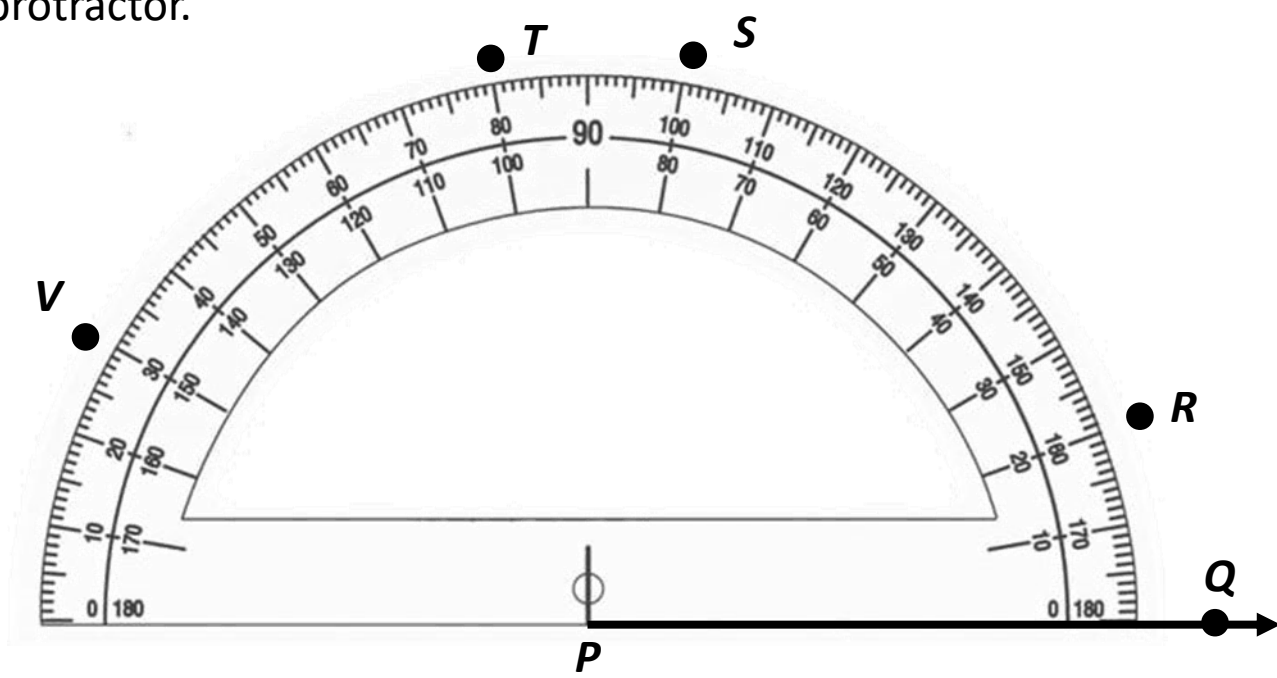
4.7.C – 4.7.D – 4.7.E – Measuring Angles

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

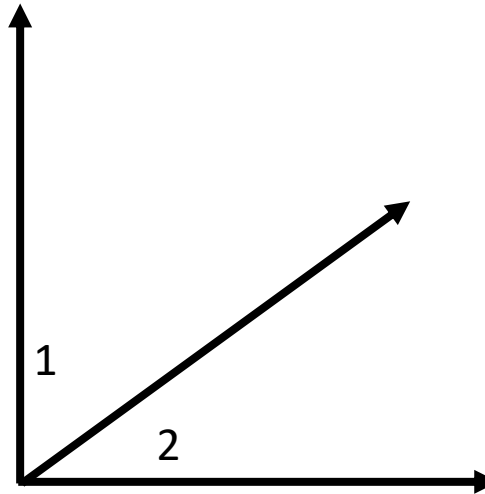
19. Frank is using a protractor to construct an angle that measures 100° . First, he draws Ray PQ , as shown on the protractor.



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° . What is the measure of angle 2?

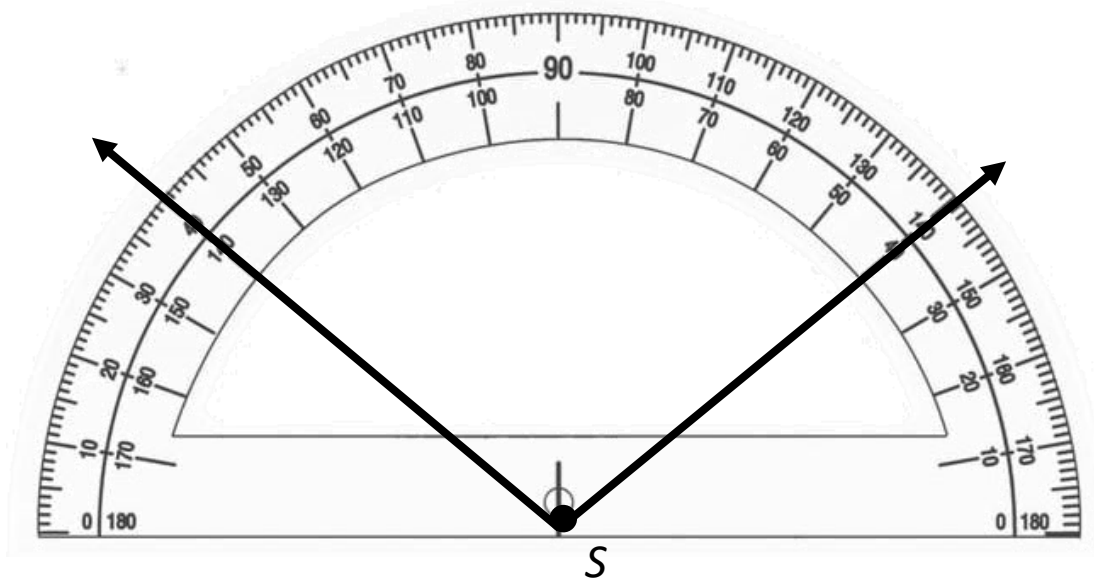
A. 18°

B. 90°

C. 58°

D. 36°

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



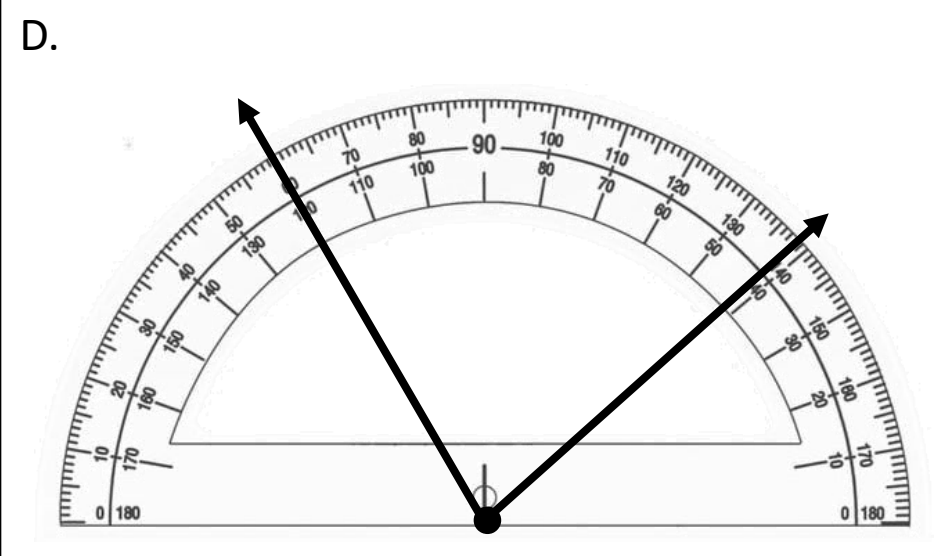
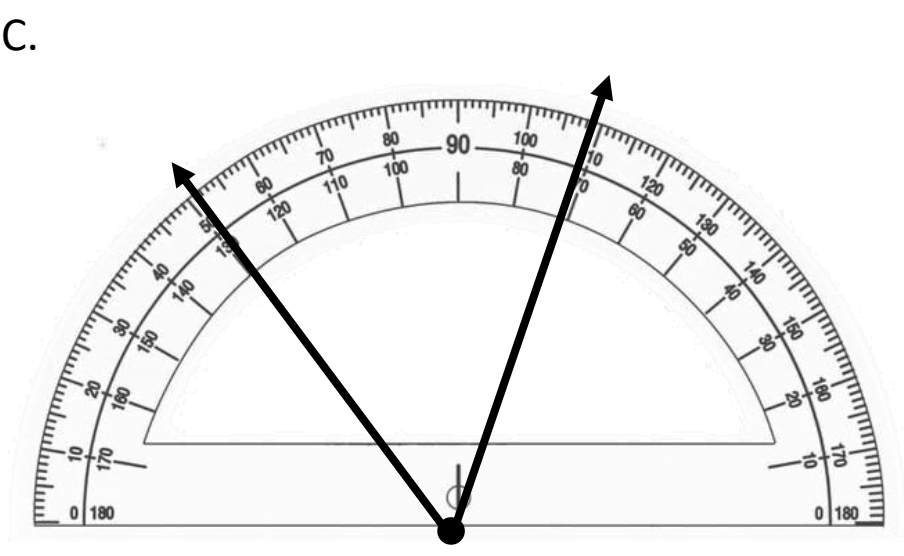
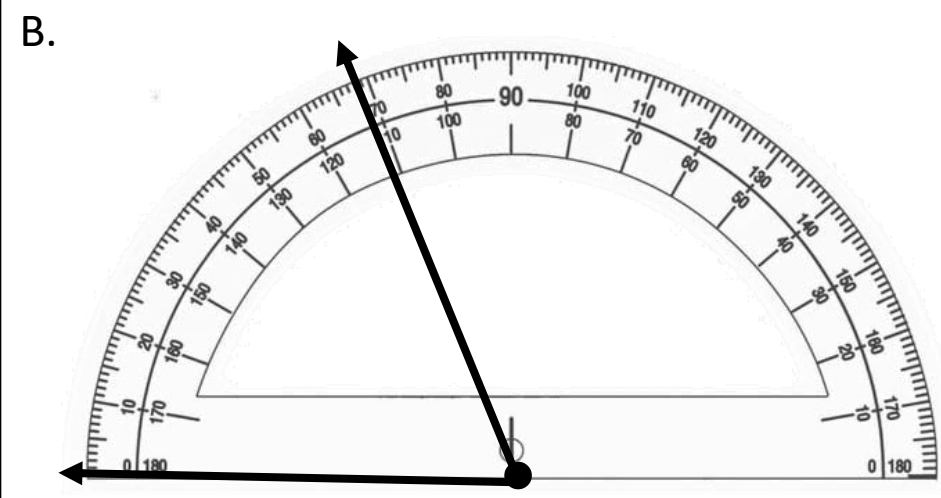
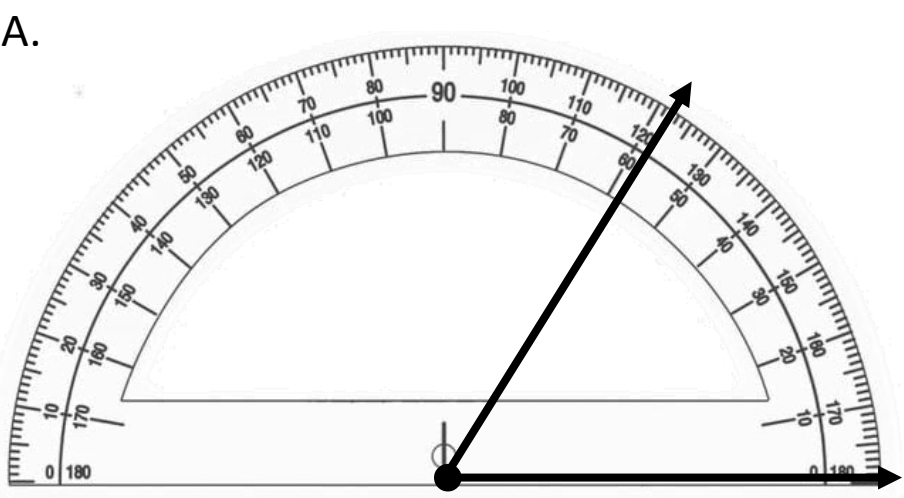
A. 140° , because 180° minus 40° equals 140°

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

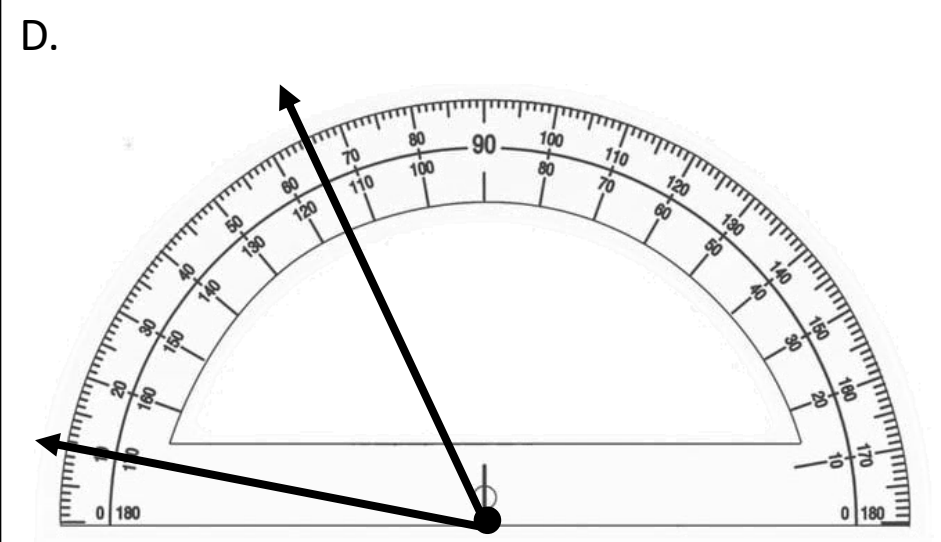
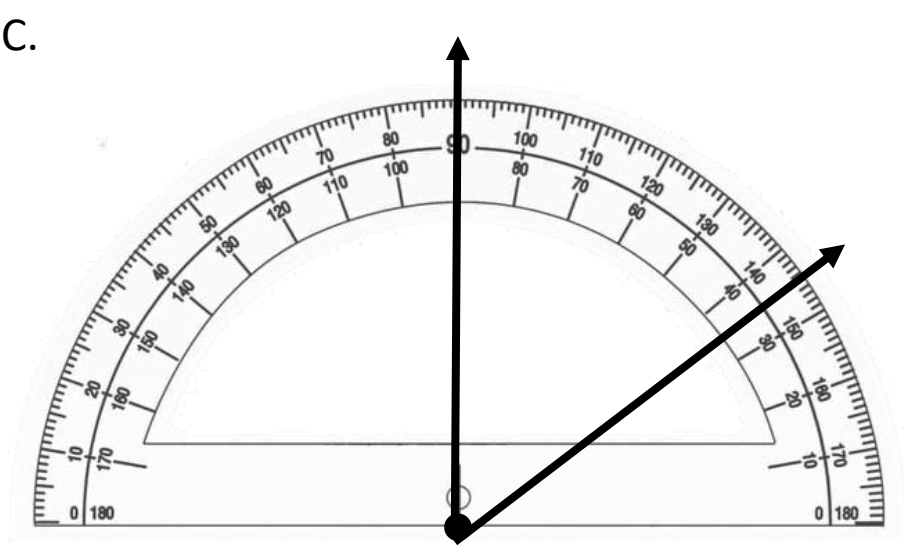
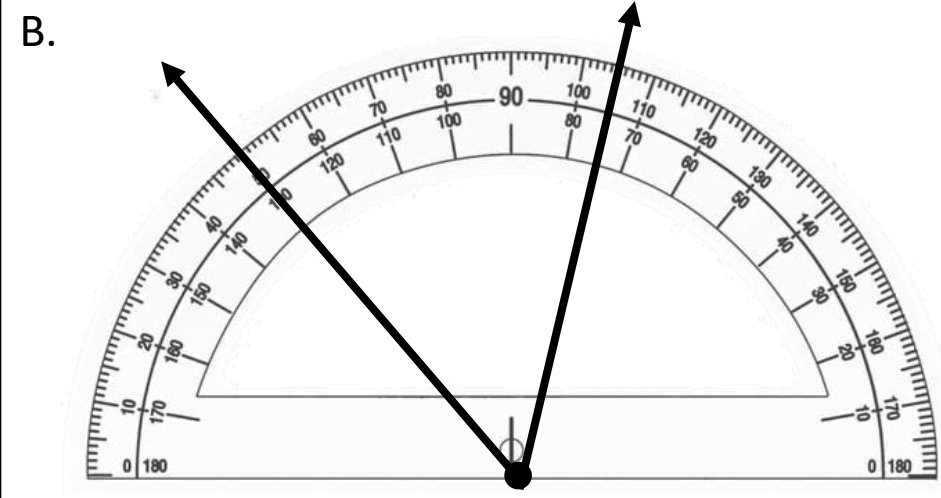
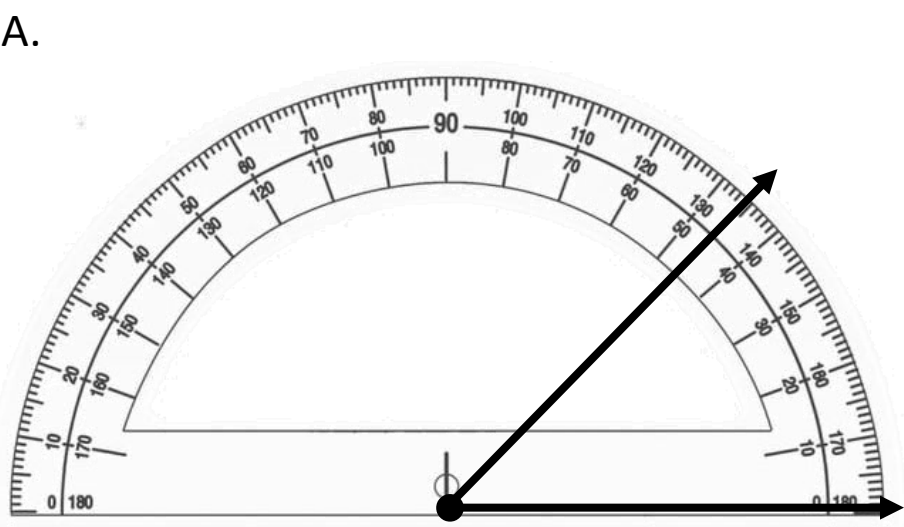
C. 80° , because 40° plus 40° equals 80°

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

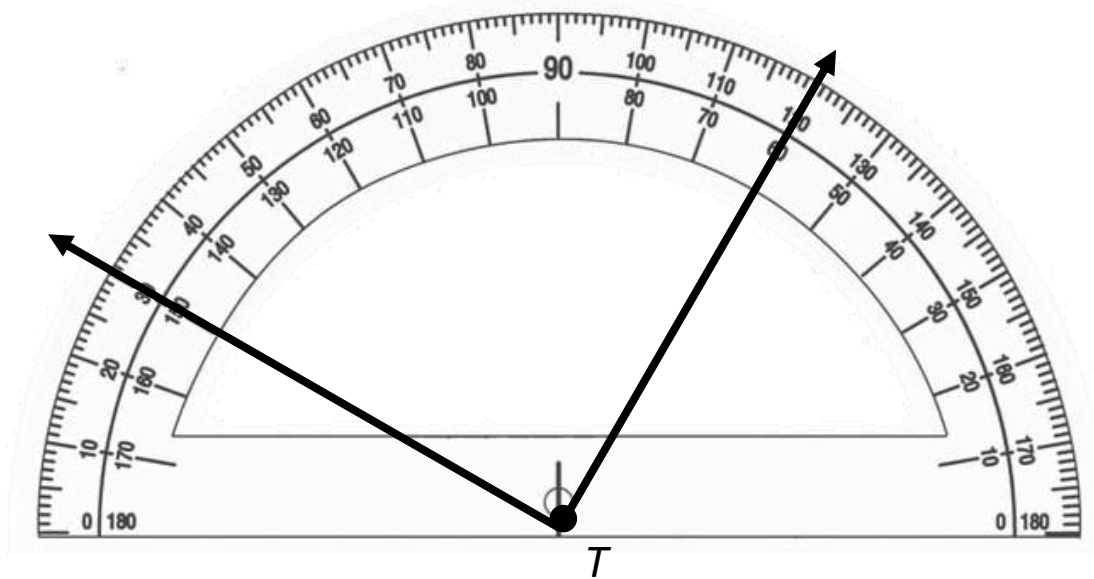
22. Which angle appears to have a measure of 69° ?



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



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°

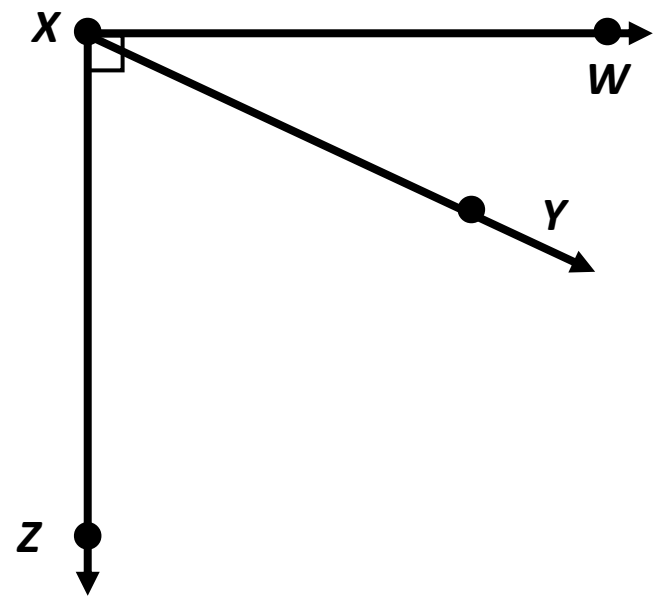
4.7.C – 4.7.D – 4.7.E – Measuring Angles

Problem Set: 5

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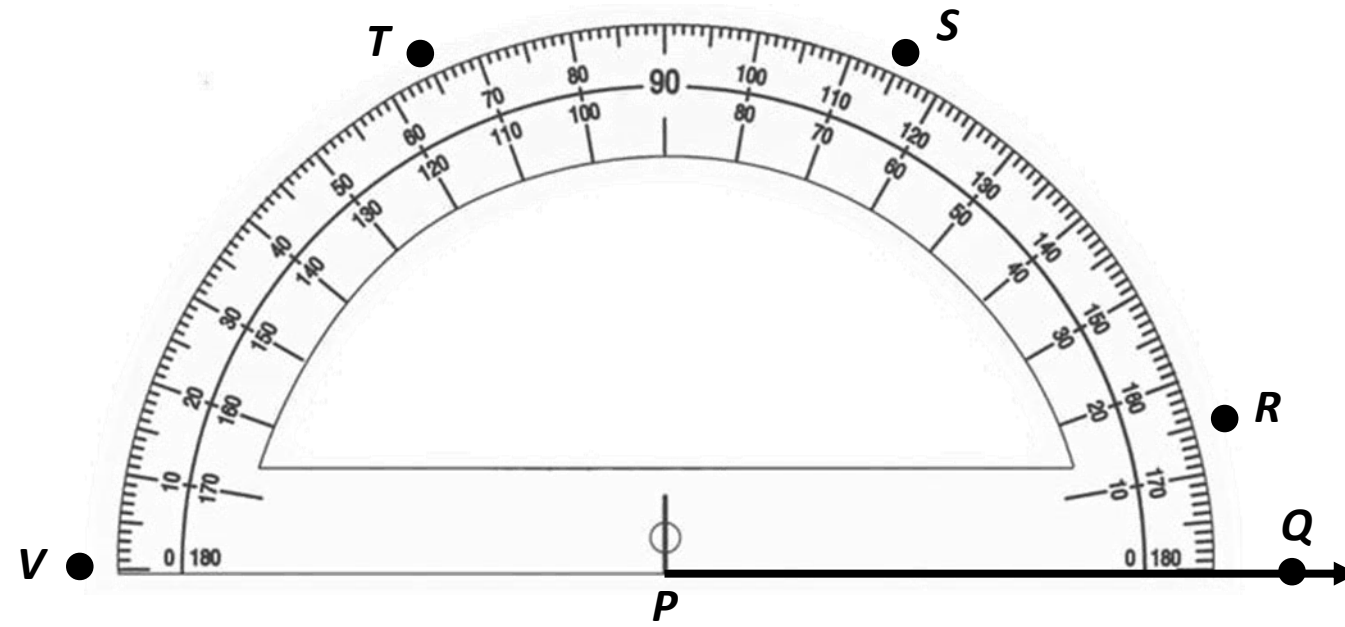
1. A	2. 152 ^o	3. A	4. B	5. D	6. D
7. C	8. C	9. C	10. A	11. B	12. B
13. B	14. D	15. D	16. B	17. A	18. C
19. C	20. D	21. B	22. B	23. A	24. D
25. 65 ^o	26. B	27. C	28. D	29. A	30. B

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



What is the measure in degrees of angle YXZ ?

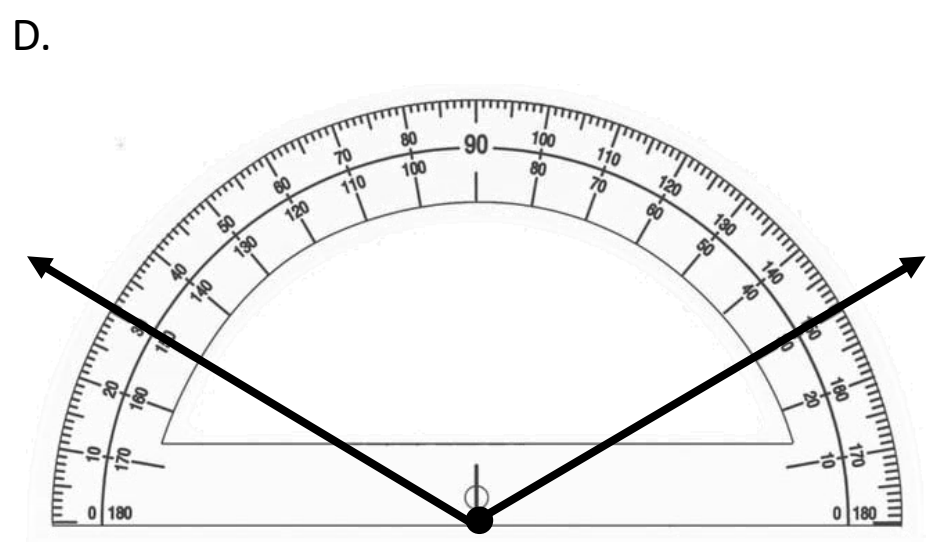
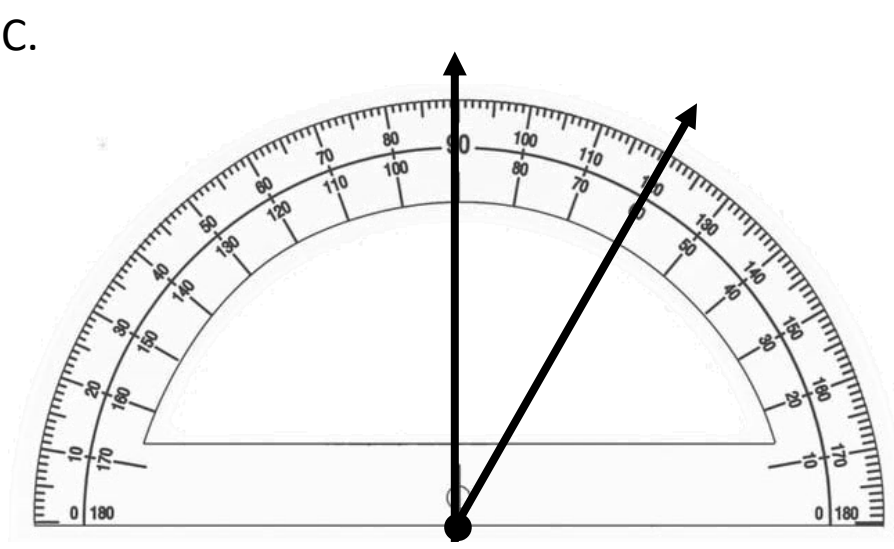
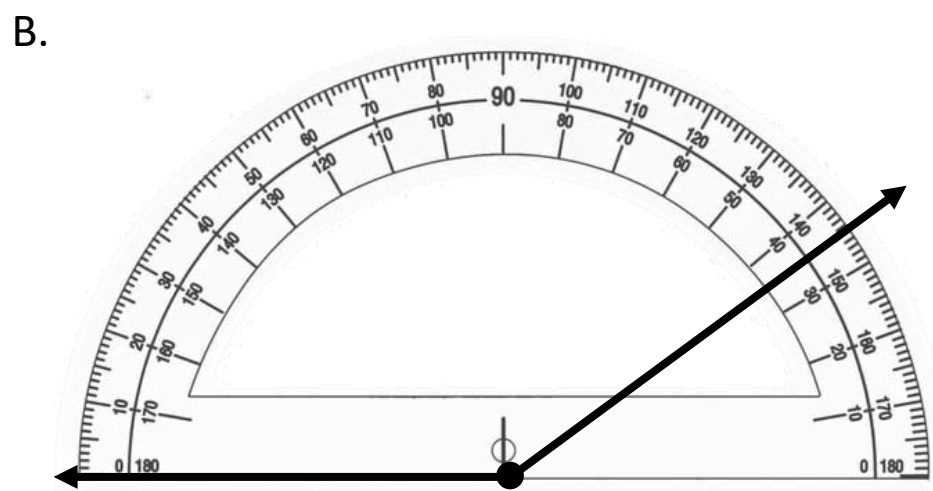
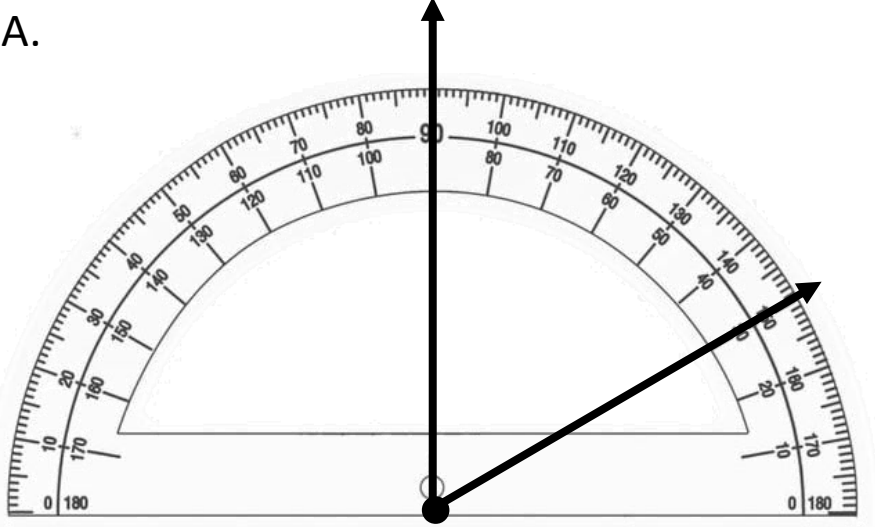
26. Frank is using a protractor to construct an angle that measures 65° . First, he draws Ray PQ , as shown on the protractor.



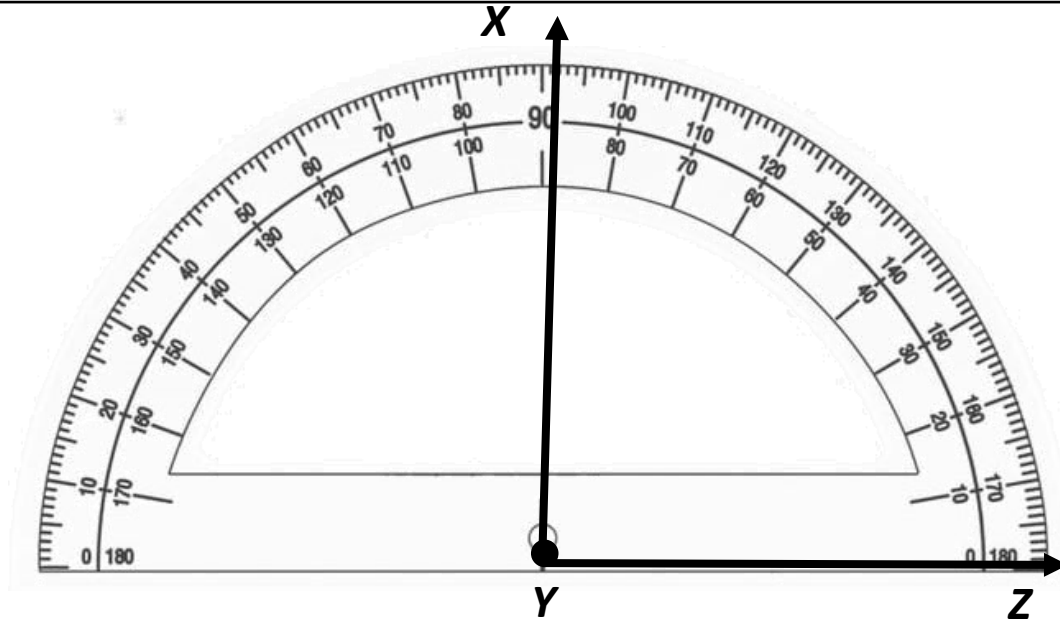
To complete the 65° angle, Frank should draw another ray that starts at point P and passes through –

- A. point R
- B. point S
- C. point T
- C. point V

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



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



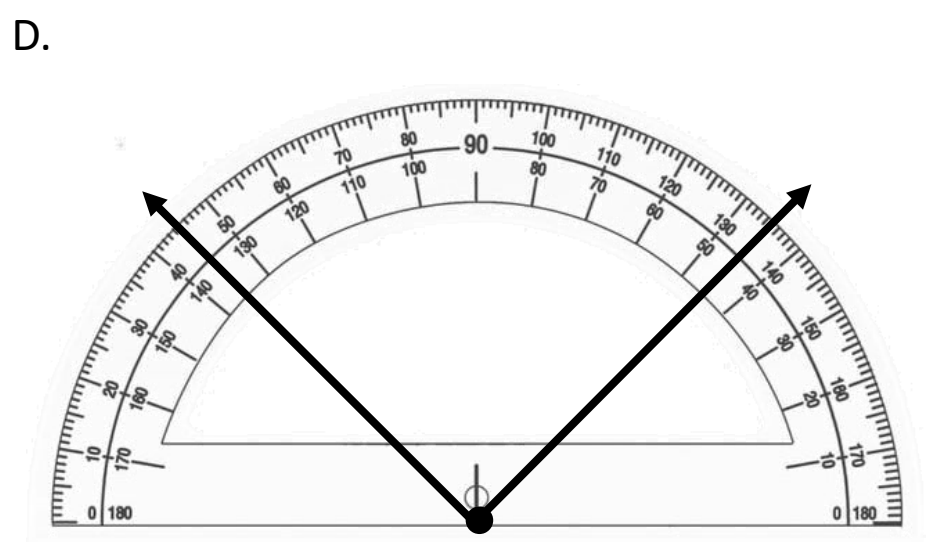
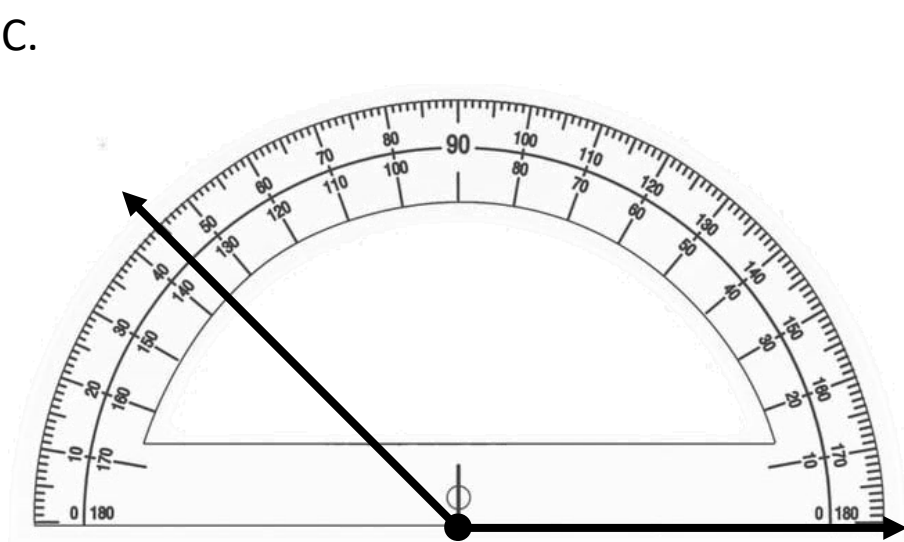
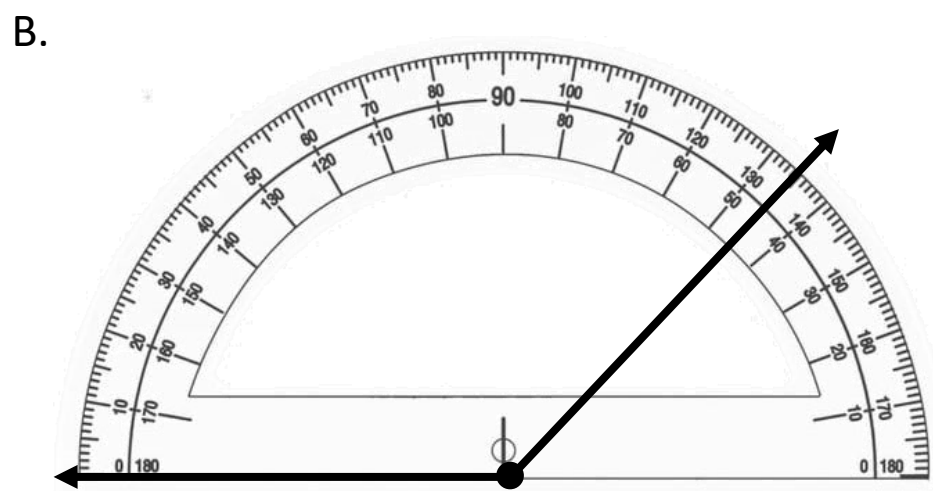
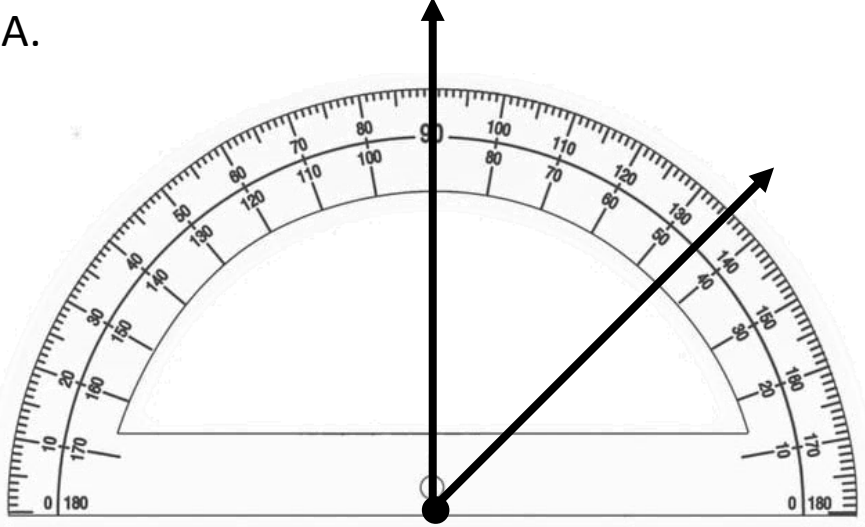
A. 180°

B. 109°

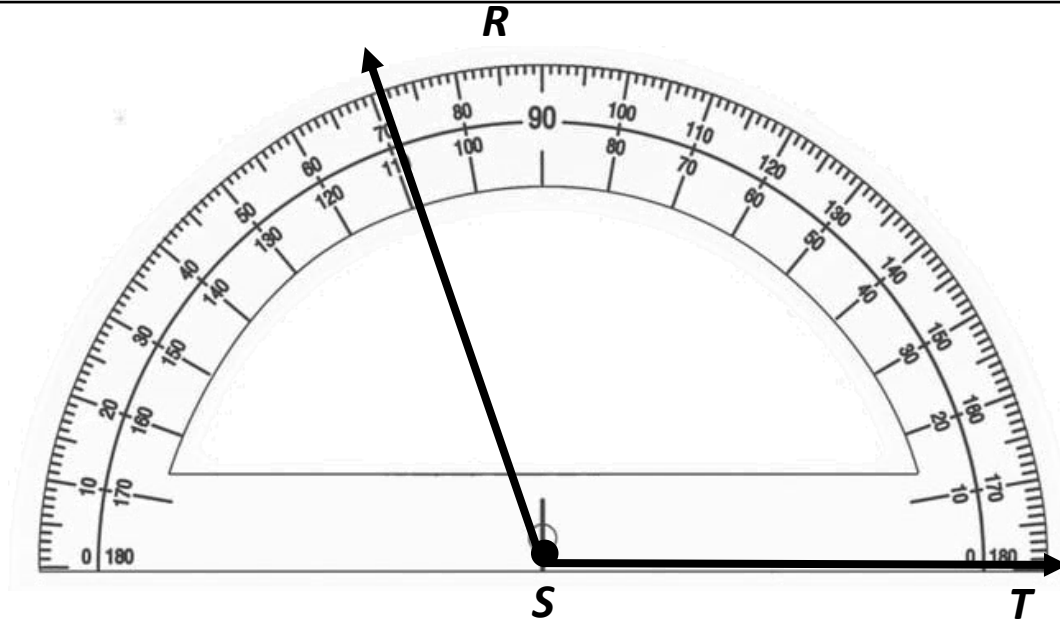
C. 91°

D. 89°

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



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



A. 180°

B. 109°

C. 71°

D. 89°