

# WORKSHEET

Convert the angular measurement from degrees to radians

- |                |                 |                 |                 |                 |                 |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1. $280^\circ$ | 11. $90^\circ$  | 21. $67^\circ$  | 31. $98^\circ$  | 41. $167^\circ$ | 51. $242^\circ$ |
| 2. $165^\circ$ | 12. $153^\circ$ | 22. $219^\circ$ | 32. $267^\circ$ | 42. $212^\circ$ | 52. $345^\circ$ |
| 3. $214^\circ$ | 13. $81^\circ$  | 23. $35^\circ$  | 33. $10^\circ$  | 43. $133^\circ$ | 53. $192^\circ$ |
| 4. $160^\circ$ | 14. $351^\circ$ | 24. $146^\circ$ | 34. $340^\circ$ | 44. $215^\circ$ | 54. $15^\circ$  |
| 5. $197^\circ$ | 15. $359^\circ$ | 25. $154^\circ$ | 35. $205^\circ$ | 45. $37^\circ$  | 55. $194^\circ$ |
| 6. $120^\circ$ | 16. $293^\circ$ | 26. $32^\circ$  | 36. $359^\circ$ | 46. $4^\circ$   | 56. $292^\circ$ |
| 7. $62^\circ$  | 17. $55^\circ$  | 27. $287^\circ$ | 37. $153^\circ$ | 47. $140^\circ$ | 57. $347^\circ$ |
| 8. $210^\circ$ | 18. $212^\circ$ | 28. $7^\circ$   | 38. $183^\circ$ | 48. $55^\circ$  | 58. $64^\circ$  |
| 9. $18^\circ$  | 19. $257^\circ$ | 29. $151^\circ$ | 39. $226^\circ$ | 49. $286^\circ$ | 59. $144^\circ$ |
| 10. $34^\circ$ | 20. $70^\circ$  | 30. $28^\circ$  | 40. $251^\circ$ | 50. $118^\circ$ | 60. $179^\circ$ |

— Answers —

- |                          |                           |                           |                           |                           |                           |
|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 1. $\frac{14}{9} \pi$    | 11. $\frac{1}{2} \pi$     | 21. $\frac{67}{180} \pi$  | 31. $\frac{49}{90} \pi$   | 41. $\frac{167}{180} \pi$ | 51. $\frac{121}{90} \pi$  |
| 2. $\frac{11}{12} \pi$   | 12. $\frac{17}{20} \pi$   | 22. $\frac{73}{60} \pi$   | 32. $\frac{89}{60} \pi$   | 42. $\frac{53}{45} \pi$   | 52. $\frac{23}{12} \pi$   |
| 3. $\frac{107}{90} \pi$  | 13. $\frac{9}{20} \pi$    | 23. $\frac{7}{36} \pi$    | 33. $\frac{1}{18} \pi$    | 43. $\frac{133}{180} \pi$ | 53. $\frac{16}{15} \pi$   |
| 4. $\frac{8}{9} \pi$     | 14. $\frac{39}{20} \pi$   | 24. $\frac{73}{90} \pi$   | 34. $\frac{17}{9} \pi$    | 44. $\frac{43}{36} \pi$   | 54. $\frac{1}{12} \pi$    |
| 5. $\frac{197}{180} \pi$ | 15. $\frac{359}{180} \pi$ | 25. $\frac{77}{90} \pi$   | 35. $\frac{41}{36} \pi$   | 45. $\frac{37}{180} \pi$  | 55. $\frac{97}{90} \pi$   |
| 6. $\frac{2}{3} \pi$     | 16. $\frac{293}{180} \pi$ | 26. $\frac{8}{45} \pi$    | 36. $\frac{359}{180} \pi$ | 46. $\frac{1}{45} \pi$    | 56. $\frac{73}{45} \pi$   |
| 7. $\frac{31}{90} \pi$   | 17. $\frac{11}{36} \pi$   | 27. $\frac{287}{180} \pi$ | 37. $\frac{17}{20} \pi$   | 47. $\frac{7}{9} \pi$     | 57. $\frac{347}{180} \pi$ |
| 8. $\frac{7}{6} \pi$     | 18. $\frac{53}{45} \pi$   | 28. $\frac{7}{180} \pi$   | 38. $\frac{61}{60} \pi$   | 48. $\frac{11}{36} \pi$   | 58. $\frac{16}{45} \pi$   |
| 9. $\frac{1}{10} \pi$    | 19. $\frac{257}{180} \pi$ | 29. $\frac{151}{180} \pi$ | 39. $\frac{113}{90} \pi$  | 49. $\frac{143}{90} \pi$  | 59. $\frac{4}{5} \pi$     |
| 10. $\frac{17}{90} \pi$  | 20. $\frac{7}{18} \pi$    | 30. $\frac{7}{45} \pi$    | 40. $\frac{251}{180} \pi$ | 50. $\frac{59}{90} \pi$   | 60. $\frac{179}{180} \pi$ |

Made with SageMath   $\text{\LaTeX}$  — by mholson.com

TAG ID: 001P

Random Seed: 82355