2. $330° = 330° \cdot \frac{\pi}{180} \text{ rad} = \frac{11\pi}{6} \text{ rad} \approx 5.759 \text{ rad}$

4. $-30° = -30° \cdot \frac{\pi}{180} \text{ rad} = \frac{-\pi}{6} \text{ rad} \approx -0.524 \text{ rad}$

6. $-80° = -80° \cdot \frac{\pi}{180} \text{ rad} = \frac{-4\pi}{9} \text{ rad} \approx -1.396 \text{ rad}$

8. $-150° = -150° \cdot \frac{\pi}{180} \text{ rad} = \frac{-5\pi}{6} \text{ rad} \approx -2.618 \text{ rad}$

10. $\frac{3\pi}{4} = \frac{3\pi}{4} \cdot \frac{180°}{\pi} = 135°$

12. $\frac{5\pi}{6} = \frac{5\pi}{6} \cdot \frac{180°}{\pi} = 150°$

14. $1.5 = 1.5 \cdot \frac{180°}{\pi} = \frac{270°}{\pi} \approx 85.9°$

16. $-\frac{\pi}{12} = -\frac{\pi}{12} \cdot \frac{180°}{\pi} = -15°$

18. $\frac{\pi}{18} \times \frac{180°}{\pi \text{ rad}} = 10°$

20. $135°$ is coterminal with: $135° + 360° = 495°$, $135° + 720° = 855°$, $135° - 360° = -225°$, $135° - 720° = -585°$.

22. $\frac{11\pi}{6}$ is coterminal with: $\frac{11\pi}{6} + 2\pi = \frac{23\pi}{6}$, $\frac{11\pi}{6} + 4\pi = \frac{35\pi}{6}$, $\frac{11\pi}{6} - 2\pi = -\frac{\pi}{6}$, $\frac{11\pi}{6} - 4\pi = -\frac{13\pi}{6}$.

24. $-50°$ is coterminal with: $-50° + 360° = 310°$, $-50° + 720° = 670°$, $-50° - 360° = -410°$, $-50° - 720° = -770°$.

26. Since $330° - (-30°) = 360°$, the angles are coterminal.

28. Since $\frac{32\pi}{3} - \frac{11\pi}{3} = \frac{21\pi}{3} = 7\pi$ is not a multiple of 2π, the angles are not coterminal.

30. Since $340° - 50° = 290°$ is not a multiple of $360°$, the angles are not coterminal.

32. Since $361° - 1° = 360°$, the angles $361°$ and $1°$ are coterminal.

34. Since $-100° - 260° = -360°$ is a multiple of $360°$, the angles $-100°$ and $260°$ are coterminal.

36. Since $1270° - 190° = 1080° = 3 \cdot 360°$ is a multiple of $360°$, the angles $1270°$ and $190°$ are coterminal.

38. Since $-\frac{7\pi}{3} - \frac{5\pi}{3} = 4\pi$ is a multiple of 2π, the angles $-\frac{7\pi}{3}$ and $\frac{5\pi}{3}$ are coterminal.

40. Since $10 - 2\pi \approx 3.717$, the angles 10 and $10 - 2\pi$ are coterminal.

42. Since $\frac{51\pi}{2} - \frac{3\pi}{2} = 24\pi = 12 \cdot 2\pi$, the angles $\frac{51\pi}{2}$ and $\frac{3\pi}{2}$ are coterminal.

44. $\theta = \frac{s}{r} = \frac{10}{5} = 2 \text{ rad} = 2 \cdot \frac{180°}{\pi} \approx 114.6°$

46. Using the formula $s = \theta r$, the length of the arc is $s = 45° \cdot \frac{\pi}{180°} \cdot 10 = \frac{5\pi}{2} \approx 7.85 \text{ m}$

48. Solving for θ we have $\theta = \frac{s}{r}$, the measure of the central angle is $\theta = \frac{6}{5} = 1.2$ rad $= 1.2 \cdot \frac{180°}{\pi} \approx 68.8°$.