

Adding and Subtracting with Pi.

Name _____

Major _____

Goal _____

For each, add or subtract. Simplify the result.

1. $\frac{4\pi}{9} + \frac{2\pi}{9}$

2. $\frac{5\pi}{6} + \frac{\pi}{6}$

3. $\frac{7\pi}{12} + \frac{11\pi}{12}$

4. $\frac{3\pi}{8} + \frac{7\pi}{8}$

5. $\frac{3\pi}{4} + \frac{5\pi}{8}$

6. $\frac{4\pi}{9} + \frac{5\pi}{6}$

7. $\frac{5\pi}{3} + \frac{\pi}{4}$

8. $\frac{3\pi}{8} + \frac{\pi}{6}$

9. $\frac{2\pi}{3} + \pi$

10. $\frac{5\pi}{8} + \pi$

11. $\frac{5\pi}{6} + 2\pi$

12. $\frac{3\pi}{4} + 2\pi$

13. $\frac{4\pi}{9} - \frac{2\pi}{9}$

14. $\frac{5\pi}{6} - \frac{\pi}{6}$

15. $\frac{7\pi}{12} - \frac{11\pi}{12}$

16. $\frac{3\pi}{8} - \frac{7\pi}{8}$

17. $\frac{3\pi}{4} - \frac{5\pi}{8}$

18. $\frac{4\pi}{9} - \frac{5\pi}{6}$

19. $\frac{5\pi}{3} - \frac{\pi}{4}$

20. $\frac{3\pi}{8} - \frac{\pi}{6}$

21. $\frac{2\pi}{3} - \pi$

22. $\frac{5\pi}{8} - \pi$

23. $\frac{5\pi}{6} - 2\pi$

24. $\frac{3\pi}{4} - 2\pi$

25. $\pi - \frac{7\pi}{12}$

26. $\pi - \frac{3\pi}{8}$

27. $2\pi - \frac{5\pi}{4}$

28. $2\pi - \frac{7\pi}{6}$

29. $2\pi - \frac{5\pi}{9}$

30. $2\pi - \frac{5\pi}{3}$