

## Algebra for Trigonometry Students

Solve for x

1.  $\frac{4}{5} = \frac{2}{x}$

2.  $\frac{3}{5} = \frac{9}{x}$

3.  $\frac{7}{2} = \frac{3}{x}$

4.  $\frac{5}{2} = \frac{4}{x}$

5.  $\frac{3\pi}{4} = \frac{\pi}{x}$

6.  $\frac{5\pi}{6} = \frac{\pi}{x}$

7.  $\frac{5\pi}{2} = \frac{\pi}{x}$

8.  $\frac{7\pi}{3} = \frac{\pi}{x}$

9.  $\frac{x}{4} = \frac{2}{3}$

10.  $\frac{x}{5} = \frac{4}{3}$

11.  $\frac{x}{5} = \frac{4}{15}$

12.  $\frac{x}{2} = \frac{6}{15}$

13.  $\frac{2\pi}{x} = \frac{4}{3}$

14.  $\frac{2\pi}{x} = \frac{6}{5}$

15.  $\frac{5}{2\pi} = \frac{x}{6}$

16.  $\frac{5}{2\pi} = \frac{x}{8}$

17.  $\frac{2\pi}{x} = \frac{8}{5}$

18.  $\frac{2\pi}{x} = \frac{8}{3}$

19.  $\frac{x}{2} = \frac{4\pi}{5}$

20.  $\frac{x}{2} = \frac{4\pi}{5}$

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Perform the following arithmetic

21.  $\frac{\pi}{4} + 2\pi$

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

23.  $\frac{\pi}{3} + 4\pi$

24.  $\frac{\pi}{4} + 4\pi$

25.  $\frac{\pi}{2} - 2\pi$

26.  $\frac{\pi}{8} - 2\pi$

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

28.  $\frac{5\pi}{4} - 6\pi$

29.  $\frac{3\pi}{4} + 6\pi$

30.  $\frac{4\pi}{3} + 4\pi$

$$31. \frac{7\pi}{4} + 6\pi$$

$$32. \frac{7\pi}{3} + 4\pi$$

$$33. -\frac{\pi}{2} + 2\pi$$

$$34. -\frac{3\pi}{2} + 2\pi$$

$$35. -\frac{3\pi}{2} - 2\pi$$

$$36. -\frac{5\pi}{6} - 2\pi$$

$$37. -\frac{5\pi}{6} - 4\pi$$

$$38. -\frac{5\pi}{3} - 6\pi$$

$$39. -\frac{5\pi}{4} + 2\pi$$

$$40. -\frac{5\pi}{6} + 2\pi$$

$$41. -\frac{7\pi}{6} - 4\pi$$

$$42. -\frac{7\pi}{6} - 6\pi$$