

Factoring Practice Answers

1. $3x^2(5x + 3)$

3. $(3k - 7)(k - 1)$

5. $(3x + 4)(x + 3)$

7. $x^{\frac{1}{2}}(1 - 5x^2)$

9. $(3x - 5)(x + 3)$

10. $(4x - 11)(2x + 3)$

11. $x^2(x + 3)^2(x^2 + x + 3)$

12. $\frac{2(20x+11)}{(4x+3)^2}$

13. $(x^4 - 2)^3(17x^4 - 2)$

14. $8(2x + 5)^3(4x - 1)^7(12x + 19)$

15. $\frac{x(-x^2-x+2)}{(x+1)^4}$

16. $\theta = \frac{\pi}{3}, \frac{2\pi}{3}$

17. $\theta = \frac{3\pi}{4}, \frac{5\pi}{4}$

18. $\theta = \frac{\pi}{4}, \frac{5\pi}{4}$

19. $\theta = \frac{\pi}{6}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{11\pi}{6}$

20. $\theta = \frac{\pi}{6}, \frac{5\pi}{6}, \frac{\pi}{2}$