

Exercises from Section 10.1

Exercises 1-10: True or False?

- 1. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (True)
- 2. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (True)
- 3. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (False)
- 4. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (False)
- 5. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (True)
- 6. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (True)
- 7. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (True)
- 8. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (True)
- 9. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (True)
- 10. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (True)

Exercises 11-20: True or False?

- 11. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (True)
- 12. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (True)
- 13. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (True)
- 14. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (True)
- 15. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (True)
- 16. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (True)
- 17. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (True)
- 18. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (True)
- 19. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (True)
- 20. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (True)

Exercises 21-30: True or False?

- 21. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (True)
- 22. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (True)
- 23. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (True)
- 24. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (True)
- 25. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (True)
- 26. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (True)
- 27. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (True)
- 28. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (True)
- 29. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both true. (True)
- 30. $\sqrt{16} = 4$ and $\sqrt{16} = -4$ are both false. (True)