



Determine if the equation shown represents a linear function (yes) or not (no).

**Answers**

1)  $Y = \sqrt{4 \times X}$

2)  $Y = \sqrt{X}$

3)  $Y = \sqrt{X^2 - 5}$

4)  $Y = X - 5$

5)  $Y = X^2 - 8$

6)  $Y = \sqrt{X - 5}$

7)  $Y = 3 \times X - (X + 8)$

8)  $Y = \frac{X}{7} \times 2$

9)  $Y = \sqrt{X + 8}$

10)  $Y = X + 5$

11)  $Y = 2 \times X - (X \times -1)$

12)  $Y = -X - 4$

13)  $Y = -X$

14)  $Y = \sqrt{X} + 4$

15)  $Y = \sqrt{X \times 6}$

16)  $Y = \sqrt{X^2}$

17)  $Y = \frac{X}{6}$

18)  $Y = -X \times 8$

19)  $Y = X^2 + 9$

20)  $Y = 6 - X$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

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20)  $Y = 6 - X$

**Answers**1. **no**2. **no**3. **no**4. **yes**5. **no**6. **no**7. **yes**8. **yes**9. **no**10. **yes**11. **yes**12. **yes**13. **yes**14. **no**15. **no**16. **no**17. **yes**18. **yes**19. **no**20. **yes**