



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

Answers

1)  $Y = \sqrt{X^2 - 9}$

2)  $Y = 2 - X$

3)  $Y = -X \times 3$

4)  $Y = 3 \times X - (X \times -1)$

5)  $Y = \frac{X}{8}$

6)  $Y = 3 + X$

7)  $Y = X + 8$

8)  $Y = -X - 9$

9)  $Y = X - 3$

10)  $Y = \sqrt{X^2 - 8}$

11)  $Y = \sqrt{X^2 - 7}$

12)  $Y = \sqrt{X^2 - 8}$

13)  $Y = \frac{X}{3} \times 5$

14)  $Y = \sqrt{X^2 - 8}$

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

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

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

18)  $Y = 5 \times X - (X + 5)$

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

20)  $Y = \sqrt{X^2 - 4}$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

20. \_\_\_\_\_



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

Answers

1) $Y = \sqrt{X^2 - 9}$	1. <u>no</u>
2) $Y = 2 - X$	2. <u>yes</u>
3) $Y = -X \times 3$	3. <u>yes</u>
4) $Y = 3 \times X - (X \times -1)$	4. <u>yes</u>
5) $Y = \frac{X}{8}$	5. <u>yes</u>
6) $Y = 3 + X$	6. <u>yes</u>
7) $Y = X + 8$	7. <u>yes</u>
8) $Y = -X - 9$	8. <u>yes</u>
9) $Y = X - 3$	9. <u>yes</u>
10) $Y = \sqrt{X^2 - 8}$	10. <u>no</u>
11) $Y = \sqrt{X^2 - 7}$	11. <u>no</u>
12) $Y = \sqrt{X^2 - 8}$	12. <u>no</u>
13) $Y = \frac{X}{3} \times 5$	13. <u>yes</u>
14) $Y = \sqrt{X^2 - 8}$	14. <u>no</u>
15) $Y = \sqrt{X^2 - 5}$	15. <u>no</u>
16) $Y = \sqrt{X^2 - 5}$	16. <u>no</u>
17) $Y = \sqrt{X^2 - 2}$	17. <u>no</u>
18) $Y = 5 \times X - (X + 5)$	18. <u>yes</u>
19) $Y = \sqrt{X^2 - 3}$	19. <u>no</u>
20) $Y = \sqrt{X^2 - 4}$	20. <u>no</u>