



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

Answers

1)  $Y =$

$\sqrt{X^2-3}$

2)  $Y = 5 + \frac{X}{6}$

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

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

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

6)  $Y = \frac{X}{9}$

7)  $Y = X + 7$

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

9)  $Y = \sqrt{X^2-6}$

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

11)  $Y = \sqrt{X^2-6}$

12)  $Y = 5 - X$

13)  $Y = -X$

14)  $Y = -X - 8$

15)  $Y = \frac{X}{7} \times 5$

16)  $Y = 3 + X$

17)  $Y =$

$\sqrt{X^2-5}$

18)  $Y =$

$\sqrt{X^2-3}$

19)  $Y = 8 \times X - (X + 5)$

20)  $Y = -X + 8$

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