



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

Answers

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

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

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

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

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

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

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

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

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

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

6)  $Y = 4 + X$

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

7)  $Y = -X$

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

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

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

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

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

10)  $Y = \frac{X}{3}$

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

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

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

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

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

13)  $Y = 2 \times X - (X + 5)$

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

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

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

15)  $Y = \frac{X}{9} \times 5$

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

16)  $Y = -X - 3$

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

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

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

18)  $Y = 6 \times X + 5^2$

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

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

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

20)  $Y = 3 - X$

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



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

Answers

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