



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

Answers

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

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

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

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

3)  $Y = 5 \times X - (X \times -1)$

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

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

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

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

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

6)  $Y = -X - 4$

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

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

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

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

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

9)  $Y = 5 \times X + 5^2$

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

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

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

11)  $Y = 7 \times X - (X + 5)$

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

12)  $Y = X + 6$

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

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

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

14)  $Y = -X + 4$

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

15)  $Y = -X$

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

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

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

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

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

18)  $Y = 5 + X$

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

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

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

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

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