



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>  |