



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> |