



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

Answers

1) $Y = \frac{X}{5} \times 5$

1. _____

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

2. _____

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

3. _____

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

4. _____

5) $Y = -X - 6$

5. _____

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

6. _____

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

7. _____

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

8. _____

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

9. _____

10) $Y = -X$

10. _____

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

11. _____

12) $Y = -X + 3$

12. _____

13) $Y = 4 + X$

13. _____

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

14. _____

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

15. _____

16) $Y = 4 - X$

16. _____

17) $Y = 7 \times X + 5^2$

17. _____

18) $Y = 7 \times X - (X \times -1)$

18. _____

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

19. _____

20) $Y = X + 3$

20. _____



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

Answers

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