



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

Answers

1) $Y =$

$\sqrt{X^2-3}$

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

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

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

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

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

7) $Y =$

$\sqrt{X^2-3}$

8) $Y = 4 \times X - (X+5)$

9) $Y = X + 3$

10) $Y = X - 7$

11) $Y =$

$\sqrt{X^2-5}$

12) $Y = 9 - X$

13) $Y = -X \times 9$

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

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

16) $Y = \frac{X}{3} \times 5$

17) $Y = 9 + X$

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

19) $Y = -X + 9$

20) $Y = \frac{X}{5}$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____



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

Answers

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