



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

Answers

- |                                     |           |
|-------------------------------------|-----------|
| 1) $Y = \sqrt{X^2}$                 | 1. _____  |
| 2) $Y = 5 + X$                      | 2. _____  |
| 3) $Y = X^2$                        | 3. _____  |
| 4) $Y = 8 \times X - (X \times -1)$ | 4. _____  |
| 5) $Y = X - 5$                      | 5. _____  |
| 6) $Y = 8^x + 4$                    | 6. _____  |
| 7) $Y = X + 9$                      | 7. _____  |
| 8) $Y = -X$                         | 8. _____  |
| 9) $Y = X^2 + 3$                    | 9. _____  |
| 10) $Y = \sqrt{X^2 - 2}$            | 10. _____ |
| 11) $Y = -X - 8$                    | 11. _____ |
| 12) $Y = \sqrt{X}$                  | 12. _____ |
| 13) $Y = \sqrt{X + 9}$              | 13. _____ |
| 14) $Y = 9 - X$                     | 14. _____ |
| 15) $Y = \sqrt{X^2}$                | 15. _____ |
| 16) $Y = 7 + \frac{x}{2}$           | 16. _____ |
| 17) $Y = \frac{x}{5} \times 2$      | 17. _____ |
| 18) $Y = 3 \times X + 6^2$          | 18. _____ |
| 19) $Y = \frac{x}{6}$               | 19. _____ |
| 20) $Y = \sqrt{X \times 7}$         | 20. _____ |



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

Answers

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