



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>



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

Answers

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

1. \_\_\_\_\_

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

2. \_\_\_\_\_

3)  $Y = -X \times 2$

3. \_\_\_\_\_

4)  $Y = 3 \times X - (X + 5)$

4. \_\_\_\_\_

5)  $Y = 2 + X$

5. \_\_\_\_\_

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

6. \_\_\_\_\_

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

7. \_\_\_\_\_

8)  $Y = -X - 8$

8. \_\_\_\_\_

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

9. \_\_\_\_\_

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

10. \_\_\_\_\_

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

11. \_\_\_\_\_

12)  $Y = 5 + \frac{X}{9}$

12. \_\_\_\_\_

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

13. \_\_\_\_\_

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

14. \_\_\_\_\_

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

15. \_\_\_\_\_

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

16. \_\_\_\_\_

17)  $Y = \frac{X}{9} \times 5$

17. \_\_\_\_\_

18)  $Y = 3 \times X - (X \times -1)$

18. \_\_\_\_\_

19)  $Y = X - 2$

19. \_\_\_\_\_

20)  $Y = X + 2$

20. \_\_\_\_\_



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

Answers

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



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

Answers

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

1. \_\_\_\_\_

2)  $Y = \frac{X}{7} \times 5$

2. \_\_\_\_\_

3)  $Y = 3 + X$

3. \_\_\_\_\_

4)  $Y = -X - 5$

4. \_\_\_\_\_

5)  $Y = X - 2$

5. \_\_\_\_\_

6)  $Y = 2 \times X - (X + 5)$

6. \_\_\_\_\_

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

7. \_\_\_\_\_

8)  $Y = -X$

8. \_\_\_\_\_

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

9. \_\_\_\_\_

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

10. \_\_\_\_\_

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

11. \_\_\_\_\_

12)  $Y = 2 - X$

12. \_\_\_\_\_

13)  $Y = 5 + \frac{X}{2}$

13. \_\_\_\_\_

14)  $Y = \frac{X}{2}$

14. \_\_\_\_\_

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

15. \_\_\_\_\_

16)  $Y = X + 6$

16. \_\_\_\_\_

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

17. \_\_\_\_\_

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

18. \_\_\_\_\_

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

19. \_\_\_\_\_

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

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



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





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>



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

Answers

1)  $Y=5+\frac{X}{3}$

2)  $Y=-X-6$

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

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

5)  $Y=-X+3$

6)  $Y=9 \times X-(X+5)$

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

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

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

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

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

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

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

14)  $Y=-X \times 8$

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

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

17)  $Y=\frac{X}{6}$

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

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

20)  $Y=-X$

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



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>



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

Answers

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

2)  $Y = -X \times 9$

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

4)  $Y = \frac{X}{7} \times 5$

5)  $Y = -X$

6)  $Y = -X - 5$

7)  $Y = 3 \times X - (X \times -1)$

8)  $Y = X + 5$

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

10)  $Y = 5 + \frac{X}{4}$

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

12)  $Y = 6 - X$

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

14)  $Y = -X + 2$

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

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

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

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

19)  $Y = 3 \times X - (X + 5)$

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

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





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

Answers

1)  $Y = -X$

1. \_\_\_\_\_

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

2. \_\_\_\_\_

3)  $Y = 3 \times X - (X + 5)$

3. \_\_\_\_\_

4)  $Y = \frac{X}{4} \times 5$

4. \_\_\_\_\_

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

5. \_\_\_\_\_

6)  $Y = -X + 6$

6. \_\_\_\_\_

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

7. \_\_\_\_\_

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

8. \_\_\_\_\_

9)  $Y = \frac{X}{3}$

9. \_\_\_\_\_

10)  $Y = 8 + X$

10. \_\_\_\_\_

11)  $Y = 4 - X$

11. \_\_\_\_\_

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

12. \_\_\_\_\_

13)  $Y = X - 3$

13. \_\_\_\_\_

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

14. \_\_\_\_\_

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

15. \_\_\_\_\_

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

16. \_\_\_\_\_

17)  $Y = -X - 8$

17. \_\_\_\_\_

18)  $Y = X + 5$

18. \_\_\_\_\_

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

19. \_\_\_\_\_

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

20. \_\_\_\_\_



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

Answers

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



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

Answers

1)  $Y =$

$\sqrt{X^2-5}$

2)  $Y = -X + 6$

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

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

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

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

7)  $Y =$

$\sqrt{X^2-5}$

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

9)  $Y = 4 \times X - (X \times -1)$

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

11)  $Y = 3 + X$

12)  $Y = X - 2$

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

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

15)  $Y = 5 \times X - (X + 5)$

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

17)  $Y = 5 + \frac{X}{9}$

18)  $Y = -X - 5$

19)  $Y = 5 - X$

20)  $Y = -X \times 2$

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