Task card 1 Range of Exponential Functions

Find the range of $f(x) = 2^x - 4$.

Task card 2 Range of Exponential Functions

Find the range of $f(x) = \frac{1}{4(3)^x + 8}$.

Task card 3 Range of Exponential Functions

Find the range of $f(x) = 3(2)^x + 2$.

Task card 4 Range of Exponential Functions

Find the range of $f(x) = 3(4)^x - 5$.

Task card 5 Range of Exponential Functions

Find the range of $f(x) = \frac{1}{4(3)^x + 6}$.

Task card 6 Range of Exponential Functions

Find the range of $f(x) = 3^x - 2$.

Task card 7 Range of Exponential Functions

Find the range of $f(x) = 2(5)^x$.

Task card 8 Range of Exponential Functions

Find the range of $f(x) = (\frac{1}{2})^x + 7$.

Task card 9 Range of Exponential Functions

Find the range of $f(x) = -3(2)^x$.

Task card 10 Range of Exponential Functions

Find the range of $f(x) = (\frac{1}{2})^x + 3$.

Task card 11 Range of Exponential Functions

Find the range of $f(x) = -(4)^x - 1$.

Task card 12 Range of Exponential Functions

Find the range of $f(x) = 3(5)^x + 3$.

Task card 13 Range of Exponential Functions

Find the range of $f(x) = -(\frac{1}{4})^x + 2$.

Task card 14 Range of Exponential Functions

Find the range of $f(x) = 5(2)^x - 1$.

Task card 15 Range of Exponential Functions

Find the range of $f(x) = -(4)^x + 3$.

Task card 16 Range of Exponential Functions

Find the range of $f(x) = (\frac{1}{3})^x + 8$.

Task card 17 Range of Exponential Functions

Find the range of $f(x) = 3(2)^x + 9$.

Task card 18 Range of Exponential Functions

Find the range of $f(x) = -(\frac{1}{3})^x - 6$.

Task card 19 Range of Exponential Functions

Find the range of $f(x) = 4(4)^x + 1$.

Task card 20 Range of Exponential Functions

Find the range of $f(x) = -3(3)^x + 8$.

Task card 21 Range of Exponential Functions

Find the range of $f(x) = (\frac{1}{4})^x + 9$.

Task card 22 Range of Exponential Functions

Find the range of $f(x) = -(5)^x - 8$.

Task card 23 Range of Exponential Functions

Find the range of $f(x) = 2(5)^x - 2$.

Task card 24 Range of Exponential Functions

Find the range of $f(x) = -4(\frac{1}{4})^x + 1$.

Range of Exponential Functions Task Cards

Recording sheet · Grade 11 · Write each range as an inequality, like y > 3 or y < -2.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Range of Exponential Functions Task Cards: Answer Key

Grade 11 · Medium

The answers online

1. y > -4	**2.** y > 8	**3.** y > 2
4. y > -5	**5.** y > 6	**6.** y > -2
7. y > 0	**8.** y > 7	**9.** y < 0
10. y > 3	**11.** y < -1	**12.** y > 3
13. y < 2	**14.** y > -1	**15.** y < 3
16. y > 8	**17.** y > 9	**18.** y < -6
19. y > 1	**20.** y < 8	**21.** y > 9
22. y < -8	**23.** y > -2	**24.** y < 1