Task card 1 Range of Exponential Functions

Find the range of $f(x) = 2(5)^{x-3} + 5$.

Task card 2 Range of Exponential Functions

Find the range of $f(x) = -5(\frac{1}{4})^{x} + 3$.

Task card 3 Range of Exponential Functions

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

Task card 4 Range of Exponential Functions

Find the range of $f(x) = -2(5)^{x} + 9$.

Task card 5 Range of Exponential Functions

Find the range of $f(x) = 3(\frac{1}{2})^{x+5} + 1$.

Task card 6 Range of Exponential Functions

Find the range of $f(x) = -4(5)^{x} + 9$.

Task card 7 Range of Exponential Functions

Find the range of $f(x) = 4(5)^{x+5} - 5$.

Task card 8 Range of Exponential Functions

Find the range of $f(x) = -5(\frac{1}{2})^x + 6$.

Task card 9 Range of Exponential Functions

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

Task card 10 Range of Exponential Functions

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

Task card 11 Range of Exponential Functions

Find the range of $f(x) = 2(5)^{x-3} + 2$.

Task card 12 Range of Exponential Functions

Find the range of $f(x) = -3(5)^x + 1$.

Task card 13 Range of Exponential Functions

Find the range of $f(x) = 5(\frac{1}{3})^{x-3} - 8$.

Task card 14 Range of Exponential Functions

Find the range of $f(x) = -3(5)^x + 7$.

Task card 15 Range of Exponential Functions

Find the range of $f(x) = 3(3)^{x+5} - 2$.

Task card 16 Range of Exponential Functions

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

Task card 17 Range of Exponential Functions

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

Task card 18 Range of Exponential Functions

Find the range of $f(x) = -(\frac{2}{3})^x - 4$.

Task card 19 Range of Exponential Functions

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

Task card 20 Range of Exponential Functions

Find the range of $f(x) = -3(2)^x - 5$.

Task card 21 Range of Exponential Functions

Find the range of $f(x) = 5(\frac{2}{3})^{x+5} + 1$.

Task card 22 Range of Exponential Functions

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

Task card 23 Range of Exponential Functions

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

Task card 24 Range of Exponential Functions

Find the range of $f(x) = -5(\frac{1}{4})^x + 5$.

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 · Hard

The answers online

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