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| Find the inverse. $$f\left(x\right)=log\_{3}\left(x-2\right)+3$$$$f\left(x\right)=3^{x-2}+3$$

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| 6.7. 8. 9. 10.11.  | $f^{-1}\left(x\right)=3^{x-3}+2$ $f^{-1}\left(x\right)=log\_{3}\left(x-3\right)+2$ $f^{-1}\left(x\right)=3^{x+2}-3$ $f^{-1}\left(x\right)=log\_{3}x-1$ $f^{-1}\left(x\right)=3^{x}-1$ $f^{-1}\left(x\right)=log\_{3}(x-5)$  |

\*\* Convert final answer to letter of the alphabet. | Find the inverse.$$f\left(x\right)=log\_{3}\left(x-2\right)+3$$$$f\left(x\right)=3^{x-2}+3$$

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| 6.7. 8. 9. 10.11.  | $f^{-1}\left(x\right)=3^{x-3}+2$ $f^{-1}\left(x\right)=log\_{3}\left(x-3\right)+2$ $f^{-1}\left(x\right)=3^{x+2}-3$ $f^{-1}\left(x\right)=log\_{3}x-1$ $f^{-1}\left(x\right)=3^{x}-1$ $f^{-1}\left(x\right)=log\_{3}(x-5)$  |

\*\* Convert final answer to letter of the alphabet. |
| Find the inverse.$$f\left(x\right)=log\_{3}\left(x-2\right)+3$$$$f\left(x\right)=3^{x-2}+3$$

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| 6.7. 8. 9. 10.11.  | $f^{-1}\left(x\right)=3^{x-3}+2$ $f^{-1}\left(x\right)=log\_{3}\left(x-3\right)+2$ $f^{-1}\left(x\right)=3^{x+2}-3$ $f^{-1}\left(x\right)=log\_{3}x-1$ $f^{-1}\left(x\right)=3^{x}-1$ $f^{-1}\left(x\right)=log\_{3}(x-5)$  |

 \*\* Convert final answer to letter of the alphabet.  | Find the inverse.$$f\left(x\right)=log\_{3}\left(x-2\right)+3$$$$f\left(x\right)=3^{x-2}+3$$

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| 6.7. 8. 9. 10.11.  | $f^{-1}\left(x\right)=3^{x-3}+2$ $f^{-1}\left(x\right)=log\_{3}\left(x-3\right)+2$ $f^{-1}\left(x\right)=3^{x+2}-3$ $f^{-1}\left(x\right)=log\_{3}x-1$ $f^{-1}\left(x\right)=3^{x}-1$ $f^{-1}\left(x\right)=log\_{3}(x-5)$  |

 \*\* Convert final answer to letter of the alphabet. |

Print on pink.

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| Find the inverse.$$f\left(x\right)=log\_{4}x+5$$$$f\left(x\right)=4^{x}+5$$

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| 10.20. 30. 40. 50.60.  | $f^{-1}\left(x\right)=4^{x}+5$ $f^{-1}\left(x\right)=log\_{4}x-5$ $f^{-1}\left(x\right)=log\_{4}(x-5)$ $f^{-1}\left(x\right)=log\_{4}(x+5)$ $ f^{-1}\left(x\right)=4^{x-5}$ $f^{-1}\left(x\right)=4^{x}-5$  |

\*\* Convert final answer to letter of the alphabet. | Find the inverse.$$f\left(x\right)=log\_{4}x+5$$$$f\left(x\right)=4^{x}+5$$

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| 10.20. 30. 40. 50.60.  | $f^{-1}\left(x\right)=4^{x}+5$ $f^{-1}\left(x\right)=log\_{4}x-5$ $f^{-1}\left(x\right)=log\_{4}(x-5)$ $f^{-1}\left(x\right)=log\_{4}(x+5)$ $ f^{-1}\left(x\right)=4^{x-5}$ $f^{-1}\left(x\right)=4^{x}-5$  |

\*\* Convert final answer to letter of the alphabet. |
| Find the inverse.$$f\left(x\right)=log\_{4}x+5$$$$f\left(x\right)=4^{x}+5$$

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| --- | --- |
| 10.20. 30. 40. 50.60.  | $f^{-1}\left(x\right)=4^{x}+5$ $f^{-1}\left(x\right)=log\_{4}x-5$ $f^{-1}\left(x\right)=log\_{4}(x-5)$ $f^{-1}\left(x\right)=log\_{4}(x+5)$ $ f^{-1}\left(x\right)=4^{x-5}$ $f^{-1}\left(x\right)=4^{x}-5$  |

\*\* Convert final answer to letter of the alphabet. | Find the inverse.$$f\left(x\right)=log\_{4}x+5$$$$f\left(x\right)=4^{x}+5$$

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| 10.20. 30. 40. 50.60.  | $f^{-1}\left(x\right)=4^{x}+5$ $f^{-1}\left(x\right)=log\_{4}x-5$ $f^{-1}\left(x\right)=log\_{4}(x-5)$ $f^{-1}\left(x\right)=log\_{4}(x+5)$ $ f^{-1}\left(x\right)=4^{x-5}$ $f^{-1}\left(x\right)=4^{x}-5$  |

\*\* Convert final answer to letter of the alphabet. |

Print on orange.

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| Find the inverse.$$f\left(x\right)=log\_{5}(x-6)$$$$f\left(x\right)=5^{x-6}$$

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| --- | --- |
| 2.3. 4. 5. 6.7.  | $f^{-1}\left(x\right)=log\_{5}(x+6)$ $f^{-1}\left(x\right)=5^{x}+6$ $f^{-1}\left(x\right)=log\_{5}(x-6)$ $f^{-1}\left(x\right)=log\_{5}x+6$ $ f^{-1}\left(x\right)=5^{x-6}$ $f^{-1}\left(x\right)=5^{x}-6$  |

\*\* Convert final answer to letter of the alphabet. | Find the inverse.$$f\left(x\right)=log\_{5}(x-6)$$$$f\left(x\right)=5^{x-6}$$

|  |  |
| --- | --- |
| 2.3. 4. 5. 6.7.  | $f^{-1}\left(x\right)=log\_{5}(x+6)$ $f^{-1}\left(x\right)=5^{x}+6$ $f^{-1}\left(x\right)=log\_{5}(x-6)$ $f^{-1}\left(x\right)=log\_{5}x+6$ $ f^{-1}\left(x\right)=5^{x-6}$ $f^{-1}\left(x\right)=5^{x}-6$  |

\*\* Convert final answer to letter of the alphabet. |
| Find the inverse.$$f\left(x\right)=log\_{5}(x-6)$$$$f\left(x\right)=5^{x-6}$$

|  |  |
| --- | --- |
| 2.3. 4. 5. 6.7.  | $f^{-1}\left(x\right)=log\_{5}(x+6)$ $f^{-1}\left(x\right)=5^{x}+6$ $f^{-1}\left(x\right)=log\_{5}(x-6)$ $f^{-1}\left(x\right)=log\_{5}x+6$ $ f^{-1}\left(x\right)=5^{x-6}$ $f^{-1}\left(x\right)=5^{x}-6$  |

\*\* Convert final answer to letter of the alphabet. | Find the inverse.$$f\left(x\right)=log\_{5}(x-6)$$$$f\left(x\right)=5^{x-6}$$

|  |  |
| --- | --- |
| 2.3. 4. 5. 6.7.  | $f^{-1}\left(x\right)=log\_{5}(x+6)$ $f^{-1}\left(x\right)=5^{x}+6$ $f^{-1}\left(x\right)=log\_{5}(x-6)$ $f^{-1}\left(x\right)=log\_{5}x+6$ $ f^{-1}\left(x\right)=5^{x-6}$ $f^{-1}\left(x\right)=5^{x}-6$  |

\*\* Convert final answer to letter of the alphabet. |

Print on yellow.

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| --- | --- | --- | --- | --- | --- |
| Find the inverse.$$f\left(x\right)=log\_{7}x$$$$f\left(x\right)=7^{x}$$

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| --- | --- |
| 15.30. 45. 60. 75.90.  | $f^{-1}\left(x\right)=log\_{7}x$ $f^{-1}\left(x\right)=7^{y}$ $f^{-1}\left(x\right)=log\_{7}y$ $f^{-1}\left(x\right)=log\_{7}x+7$ $ f^{-1}\left(x\right)=7^{x}$ $f^{-1}\left(x\right)=7^{x-7}$  |

 \*\* Convert final answer to letter of the alphabet. | Find the inverse.$$f\left(x\right)=log\_{7}x$$$$f\left(x\right)=7^{x}$$

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| --- | --- |
| 15.30. 45. 60. 75.90.  | $f^{-1}\left(x\right)=log\_{7}x$ $f^{-1}\left(x\right)=7^{y}$ $f^{-1}\left(x\right)=log\_{7}y$ $f^{-1}\left(x\right)=log\_{7}x+7$ $ f^{-1}\left(x\right)=7^{x}$ $f^{-1}\left(x\right)=7^{x-7}$  |

\*\* Convert final answer to letter of the alphabet. |
| Find the inverse.$$f\left(x\right)=log\_{7}x$$$$f\left(x\right)=7^{x}$$

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| --- | --- |
| 15.30. 45. 60. 75.90.  | $f^{-1}\left(x\right)=log\_{7}x$ $f^{-1}\left(x\right)=7^{y}$ $f^{-1}\left(x\right)=log\_{7}y$ $f^{-1}\left(x\right)=log\_{7}x+7$ $ f^{-1}\left(x\right)=7^{x}$ $f^{-1}\left(x\right)=7^{x-7}$  |

\*\* Convert final answer to letter of the alphabet. | Find the inverse.$$f\left(x\right)=log\_{7}x$$$$f\left(x\right)=7^{x}$$

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| 15.30. 45. 60. 75.90.  | $f^{-1}\left(x\right)=log\_{7}x$ $f^{-1}\left(x\right)=7^{y}$ $f^{-1}\left(x\right)=log\_{7}y$ $f^{-1}\left(x\right)=log\_{7}x+7$ $ f^{-1}\left(x\right)=7^{x}$ $f^{-1}\left(x\right)=7^{x-7}$  |

\*\* Convert final answer to letter of the alphabet. |

Print on green.