#### Study Island

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**1.** Simplify the following expression.

![https://media.studyisland.com/cgi-bin/mimetex.cgi?\frac%7b2%5e%7b4%7d%7d%7b3%5e%7b4%7d%7d](data:None;base64...)

|  |  |
| --- | --- |
| Bubble | **A.** https://media.studyisland.com/cgi-bin/mimetex.cgi?\left(\frac%7b2%7d%7b3%7d\right)%5e%7b4%7d |

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| --- | --- |
| Bubble | **B.** https://media.studyisland.com/cgi-bin/mimetex.cgi?(2\%20-\%203)%5e%7b4%7d |

|  |  |
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| Bubble | **C.** https://media.studyisland.com/cgi-bin/mimetex.cgi?\frac%7b2%7d%7b3%7d |

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| Bubble | **D.** https://media.studyisland.com/cgi-bin/mimetex.cgi?2%5e%7b4%7d\%20-\%203%5e%7b-4%7d |

**2.** Simplify the following expression.

![https://media.studyisland.com/cgi-bin/mimetex.cgi?\left(8%5e%7b3%7d\right)%5e%7b5%7d](data:None;base64...)

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| Bubble | **A.** https://media.studyisland.com/cgi-bin/mimetex.cgi?8%5e%7b15%7d |

|  |  |
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| Bubble | **B.** https://media.studyisland.com/cgi-bin/mimetex.cgi?8%5e%7b-2%7d |

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| Bubble | **C.** https://media.studyisland.com/cgi-bin/mimetex.cgi?8%5e%7b10%7d |

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| Bubble | **D.** https://media.studyisland.com/cgi-bin/mimetex.cgi?8%5e%7b8%7d |

**3.** Evaluate the following expression when *n* = -6.

-10|*n* + 9|

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| Bubble | **A.** -7 |

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| Bubble | **B.** -150 |

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| Bubble | **C.** -30 |

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| Bubble | **D.** 30 |

**4.** Evaluate the following expression when *n* = 8.

|*n* - 7| - |2 - *n*|

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| Bubble | **A.** -5 |

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| Bubble | **B.** 7 |

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| Bubble | **C.** |((-1)^y)\*a\*#abs(n+b)#| |

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| Bubble | **D.** |#abs(a\*n-b)#+#abs(c)#| |

**5.** Simplify: |72 - 6 • 11| - 12|17 - 13|

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| Bubble | **A.** -211 |

|  |  |
| --- | --- |
| Bubble | **B.** 42 |

|  |  |
| --- | --- |
| Bubble | **C.** 211 |

|  |  |
| --- | --- |
| Bubble | **D.** -42 |