#### Study Island

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Generated By: **Trish Angell**

Simplify Square Roots

**1.** Simplify.

|  |  |
| --- | --- |
|  | **A.** |

|  |  |
| --- | --- |
|  | **B.** |

|  |  |
| --- | --- |
|  | **C.** |

|  |  |
| --- | --- |
|  | **D.** |

**2.** Simplify.

|  |  |
| --- | --- |
|  | **A.** |

|  |  |
| --- | --- |
|  | **B.** |

|  |  |
| --- | --- |
|  | **C.** |

|  |  |
| --- | --- |
|  | **D.** |

**3.** Simplify.

|  |  |
| --- | --- |
|  | **A.** |

|  |  |
| --- | --- |
|  | **B.** |

|  |  |
| --- | --- |
|  | **C.** |

|  |  |
| --- | --- |
|  | **D.** |

**4.**

Which value of *x* makes the expression above equivalent to ?

|  |  |
| --- | --- |
|  | **A.** 100 |

|  |  |
| --- | --- |
|  | **B.** 10 |

|  |  |
| --- | --- |
|  | **C.** 2,500 |

|  |  |
| --- | --- |
|  | **D.** 500 |

**5.**

Which value of *x* makes the expression above equivalent to ?

|  |  |
| --- | --- |
|  | **A.** 63 |

|  |  |
| --- | --- |
|  | **B.** 441 |

|  |  |
| --- | --- |
|  | **C.** 3 |

|  |  |
| --- | --- |
|  | **D.** 9 |