CHANGING BASES PRACTICE

Write each expression with the base indicated.

|  |  |  |
| --- | --- | --- |
| Expression | Base | Answer |
| $$125^{6}$$ | 5 |  |
| $$9^{-2}$$ | 3 |  |
| $$1000000^{7}$$ | 10 |  |
| $$243^{\frac{1}{2}}$$ | 3 |  |
| $$625^{2x}$$ | 5 |  |
| $$81^{-12}$$ | 3 |  |
| $$32^{2x+1}$$ | 2 |  |

Write each expression with the base indicated.

|  |  |  |
| --- | --- | --- |
| Expression | Base | Answer |
| $$2^{17}$$ | 64 |  |
| $$3^{-6}$$ | 27 |  |
| $$4^{92}$$ | 16 |  |
| $$5^{12}$$ | 625 |  |
| $$10^{-18}$$ | 1000 |  |
| $$4^{3x}$$ | 64 |  |
| $$2^{25x}$$ | 32 |  |