MORE CHANGING BASES PRACTICE

Write each expression with the base indicated.

|  |  |  |
| --- | --- | --- |
| Expression | Base | Answer |
| $$625^{6}$$ | 5 |  |
| $$243^{-2}$$ | 3 |  |
| $$1000000^{73}$$ | 10 |  |
| $$27^{\frac{1}{2}}$$ | 3 |  |
| $$625^{2x+3}$$ | 5 |  |
| $$81^{x -12}$$ | 3 |  |
| $$16^{-3x+1}$$ | 2 |  |

Write each expression with the base indicated.

|  |  |  |
| --- | --- | --- |
| Expression | Base | Answer |
| $$2^{20}$$ | 32 |  |
| $$3^{-9}$$ | 27 |  |
| $$4^{-6x}$$ | 16 |  |
| $$5^{100}$$ | 625 |  |
| $$10^{-21x}$$ | 1000 |  |
| $$4^{6x}$$ | 64 |  |
| $$2^{-35x}$$ | 32 |  |