

Solve an exponential equation.

1. $2^{2x} = 64$

2. $5^{3-3x} = 625$

3. $3^{1-3x} = 243$

4. $5^{-2x} = \frac{1}{625}$

5. $2^{-3x} = 32$

6. $5^{x+2} = 25$

7. $6^{-3x} = 216$

8. $5^{2x+2} = 25$

9. $6^{x+1} = \frac{1}{36}$

10. $2^{1-2x} = \frac{1}{2}$