

Exponential Equations**Same Base**

1. $12^{x-2} = 12^5$

2. $10^{1-x} = 10^4$

3. $5^{x+2} = 5^9$

4. $4^{2x-1} = 4^3$

5. $2^{4x+4} = 2^5$

6. $6^{-2n} = 6^3$

7. $2^{4x-1} = 2^7$

8. $2^{x+6} = 2^5$

9. $6^{3x} = 6^{15}$

10. $2^{2x+7} = 2^{15}$

Answers

Exponential Equations

Same Base

1. $x = 7$

2. $x = -3$

3. $x = 7$

4. $x = 2$

5. $x = \frac{1}{4}$

6. $n = -\frac{3}{2}$

7. $x = 2$

8. $x = -1$

9. $x = 5$

10. $x = 4$