

Exponential Equations**Solving with Logs**

1. $2^x = 20$

2. $2^x = 3$

3. $2^x = 7$

4. $3^x = 7$

5. $2^x = 6$

6. $3^x = 5$

7. $2^x = 10$

8. $3^x = 10$

9. $5^x = 2$

10. $3^x = 6$

Answers**Exponential Equations****Solving with Logs**

$$1. x = \frac{\ln(20)}{\ln(2)}$$

$$2. x = \frac{\ln(3)}{\ln(2)}$$

$$3. x = \frac{\ln(7)}{\ln(2)}$$

$$4. x = \frac{\ln(7)}{\ln(3)}$$

$$5. x = \frac{\ln(6)}{\ln(2)}$$

$$6. x = \frac{\ln(5)}{\ln(3)}$$

$$7. x = \frac{\ln(10)}{\ln(2)}$$

$$8. x = \frac{\ln(10)}{\ln(3)}$$

$$9. x = \frac{\ln(2)}{\ln(5)}$$

$$10. x = \frac{\ln(6)}{\ln(3)}$$