

NAME: _____

Solve:

1. $\log_4(x-2) = 1$

2. $\log_8(x-3) = 1$

3. $\log_5(x+3) = 1$

4. $\log_3(x-8) = 3$

5. $\log_7(x+6) = 2$

6. $\log_2(x-4) = -3$

[A] $\frac{33}{8}$ [B] 2 [C] 13 [D] $-\frac{31}{8}$

7. $\log_5(x-2) = -1$

[A] $\frac{11}{5}$ [B] 1 [C] $-\frac{9}{5}$ [D] 5

8. $\log_3(x-3) = -1$

[A] 2 [B] $\frac{10}{3}$ [C] $-\frac{8}{3}$ [D] 9

9. $\log_2(x+8) = -3$

[A] 1 [B] $\frac{65}{8}$ [C] $\frac{1}{2048}$ [D] $-\frac{63}{8}$

10. $\log_4(x+1) = -2$

[A] $-\frac{15}{16}$ [B] 15 [C] $\frac{17}{16}$ [D] $\frac{1}{64}$

[1] 6

[2] 11

[3] 2

[4] 35

[5] 43

[6] A

[7] A

[8] B

[9] D

[10] A