Solving Logarithms Practice Problems

Solve each equation.

1) $3\log_{11}(2n+1)+6=6$

2) $-1-2\log_{6}(8v-9)=-5$

3) $-1-3\log_{11}(9-4b)=-1$

4) $10-3\log_{5}(-9x+6)=4$

5) $-8-10\log_{8}(2-7n)=-18$

6) $-3-10\log_{11}(-2v+1)=-23$

7) $-9\log(9n+9)-1=-28$

8) $3\log_{11}(-5n+6)+2=14$

9) $-8-5\log_{2}(3n+7)=-23$

10) $-3-5\log_{12}(-4n-4)=-8$

Answers to Solving Logarithms Practice Problems

1) $\{0\}$

2) $\left\{\dfrac{45}{8}\right\}$

3) $\{2\}$

4) $\left\{-\dfrac{19}{9}\right\}$

5) $\left\{-\dfrac{6}{7}\right\}$

6) $\{-60\}$

7) $\left\{\dfrac{991}{9}\right\}$

8) $\{-2927\}$

9) $\left\{\dfrac{1}{3}\right\}$

10) $\{-4\}$