**6-1 Skills Practice**

***Logarithms and Logarithmic Functions***

**Write each equation in exponential form.**

**1.**  243 = 5 **2.**  64 = 3

**3.**  3 = **4.**  = –2

**Write each equation in logarithmic form.**

**5.**  = 8 **6.**  = 9

**7.**  = **8.**  =

**Evaluate each expression.**

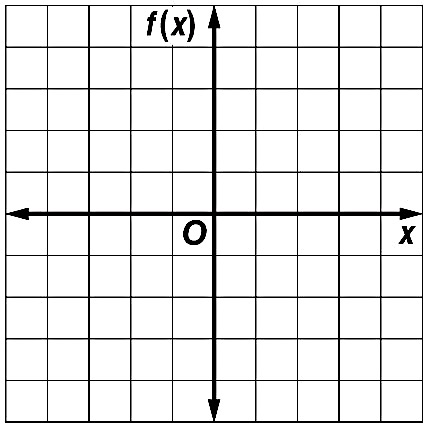
**9.**  25 **10.**  3

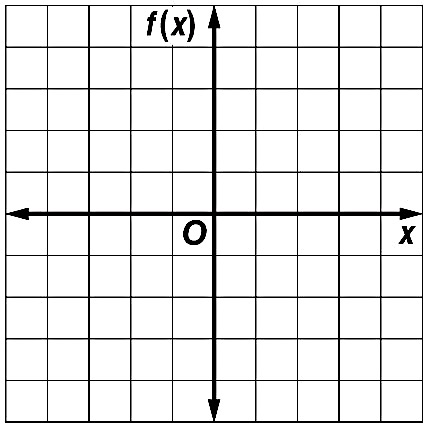
**11.**  1000 **12.**  5

**13.**  512 **14.**

**Graph each function.**

**15.**  **16.** *f*(*x*) = –





**17.**  **18.** *f*(*x*) = – *x* + 2

