

**Prob/Stat/Discrete**  
**11.2 Worksheet**

**Name**\_\_\_\_\_

*In Exercises 1-6, convert the numeral to a numeral in base ten.*

1.  $52_{\text{eight}}$

2.  $321_{\text{four}}$

3.  $2035_{\text{six}}$

4.  $41502_{\text{six}}$

5.  $110101_{\text{two}}$

6.  $\text{EDF7}_{\text{sixteen}}$

*In Exercises 7-9, mentally convert each base ten numeral to a numeral in the given base.*

7. 11 to base seven

8. 3 to base two

9. 37 to base six

*In Exercises 10-13, use division to convert each base ten numeral to a numeral in the given base.*

10. 85 to base seven

11. 19 to base two

12. 129 to base three

13. 1599 to base seven