Unknown Symbols in Equations (E)

Name: _____ Date: _____

Determine the value of each symbol.

1. $8 = 17 - \dagger$
2. $10 - 5 = \sharp$
3. $\Cup = 19 - 11$
4. $8 = 22 - \otimes$
5. $24 - \natural = 11$
6. $28 - \oplus = 13$
7. $\blacktriangledown - 20 = 15$
8. $\blacklozenge = 19 - 5$
9. $18 - 7 = \odot$
10. $\S - 12 = 9$
11. $\clubsuit = 8 - 7$
12. $\measuredangle = 37 - 17$
13. $20 - \diamondsuit = 2$
14. $\heartsuit - 10 = 16$
15. $\bigstar - 1 = 1$
16. $25 - 13 = \bullet$
17. $\blacksquare - 2 = 6$
18. $16 = \triangle - 6$
19. $16 - \spadesuit = 14$
20. $3 = 14 - \varnothing$

Unknown Symbols in Equations (E) Answers

Name: _____ Date: _____

Determine the value of each symbol.

1. $8 = 17 - \dagger$
   $\dagger = 9$

2. $10 - 5 = \sharp$
   $\sharp = 5$

3. $\Cup = 19 - 11$
   $\Cup = 8$

4. $8 = 22 - \otimes$
   $\otimes = 14$

5. $24 - \natural = 11$
   $\natural = 13$

6. $28 - \oplus = 13$
   $\oplus = 15$

7. $\blacktriangledown - 20 = 15$
   $\blacktriangledown = 35$

8. $\blacklozenge = 19 - 5$
   $\blacklozenge = 14$

9. $18 - 7 = \odot$
   $\odot = 11$

10. $\S - 12 = 9$
    $\S = 21$

11. $\clubsuit = 8 - 7$
    $\clubsuit = 1$

12. $\measuredangle = 37 - 17$
    $\measuredangle = 20$

13. $20 - \diamondsuit = 2$
    $\diamondsuit = 18$

14. $\heartsuit - 10 = 16$
    $\heartsuit = 26$

15. $\bigstar - 1 = 1$
    $\bigstar = 2$

16. $25 - 13 = \bullet$
    $\bullet = 12$

17. $\blacksquare - 2 = 6$
    $\blacksquare = 8$

18. $16 = \triangle - 6$
    $\triangle = 22$

19. $16 - \spadesuit = 14$
    $\spadesuit = 2$

20. $3 = 14 - \varnothing$
    $\varnothing = 11$