Rewrite the following problems using exponents. (DOK 1)

Example 4: $2 \times 2 \times 2 = 2^3$

1. $7 \times 7 \times 7 \times 7$
2. 10×10
3. $12 \times 12 \times 12$
4. $4 \times 4 \times 4 \times 4$
5. $9 \times 9 \times 9$
6. 25×25
7. $15 \times 15 \times 15$
8. $5 \times 5 \times 5 \times 5 \times 5$
9. $2 \times 2 \times 2 \times 2$
10. 14×14
11. $3 \times 3 \times 3 \times 3 \times 3$
12. $11 \times 11 \times 11$

Use a calculator to figure what product each number with an exponent represents. (DOK 1)

Example 5: $2^3 = 2 \times 2 \times 2 = 8$

13. $(-8)^3$
14. 12^2
15. 20^1
16. 5^4
17. 15^0
18. 16^2
19. $(-10)^2$
20. 3^5
21. 10^4
22. 7^0
23. 4^3
24. 54^1

Express each of the following numbers as a base with an exponent. (Some of these may have multiple answers.) (DOK 1)

Example 6: $4 = 2 \times 2 = 2^2$

25. 9
26. 16
28. 36
29. 8
33. 81
34. 64
35. 49
36. 121