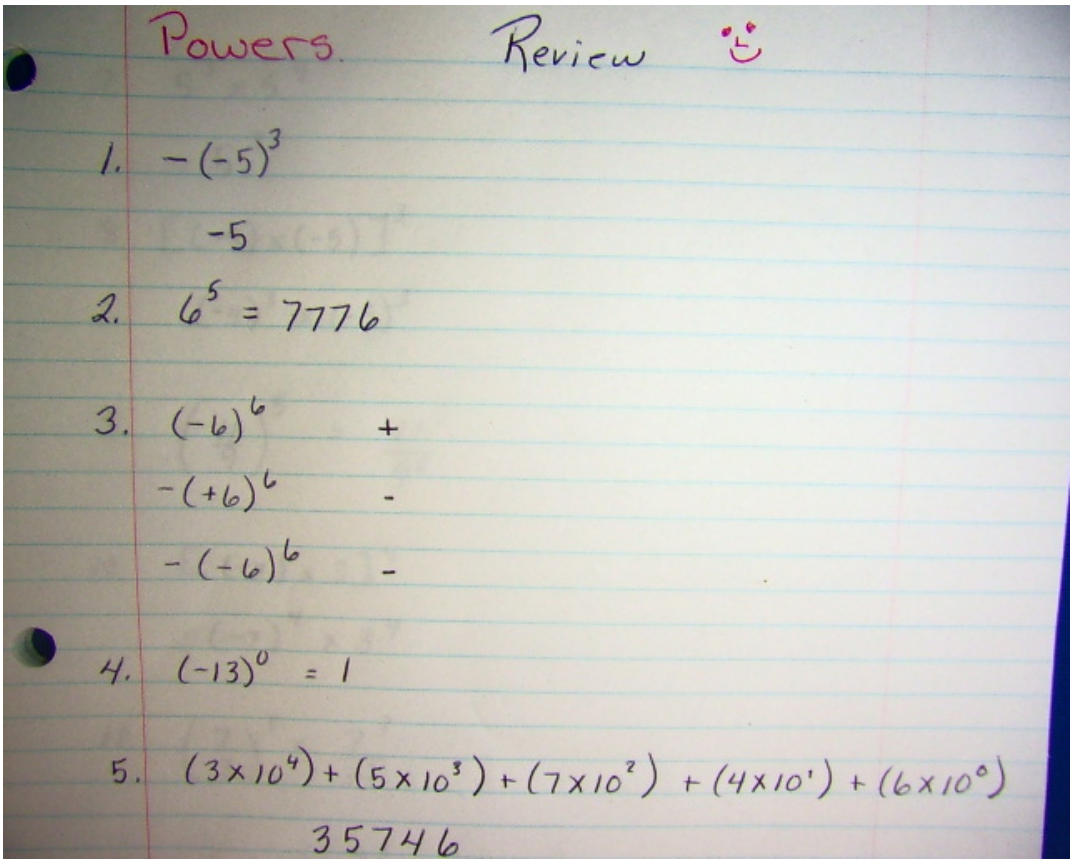
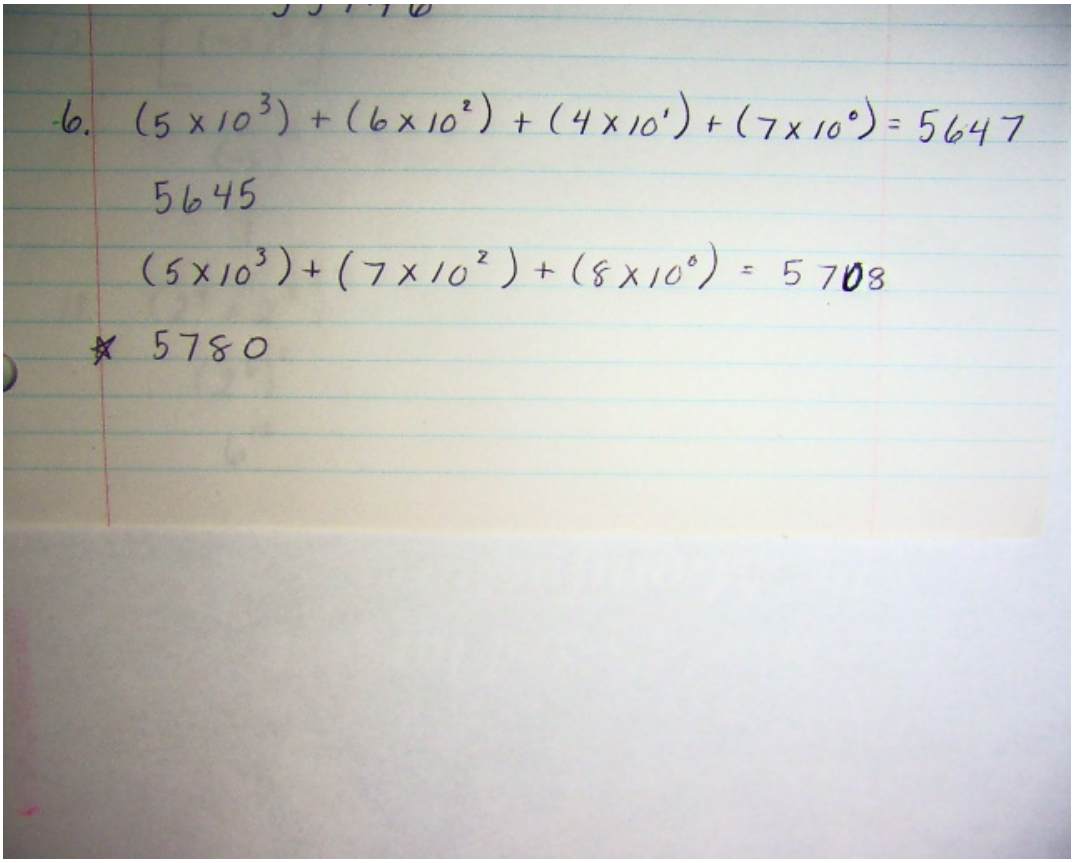
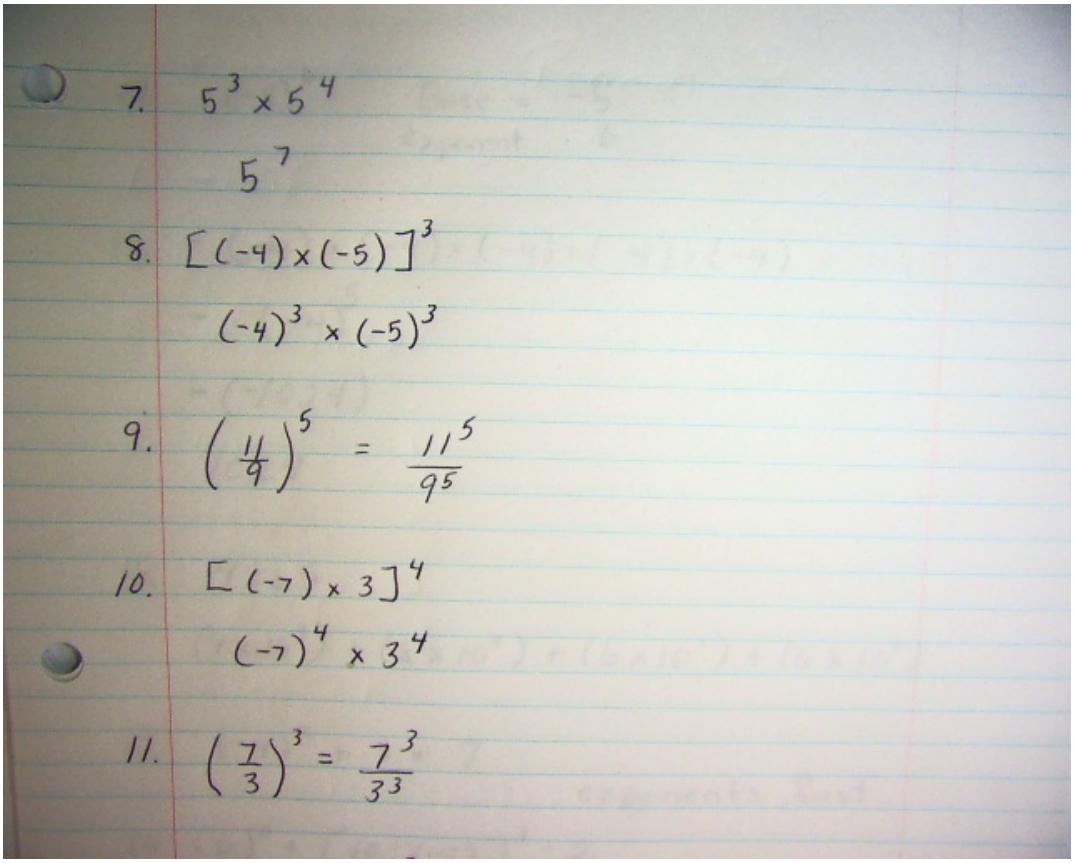
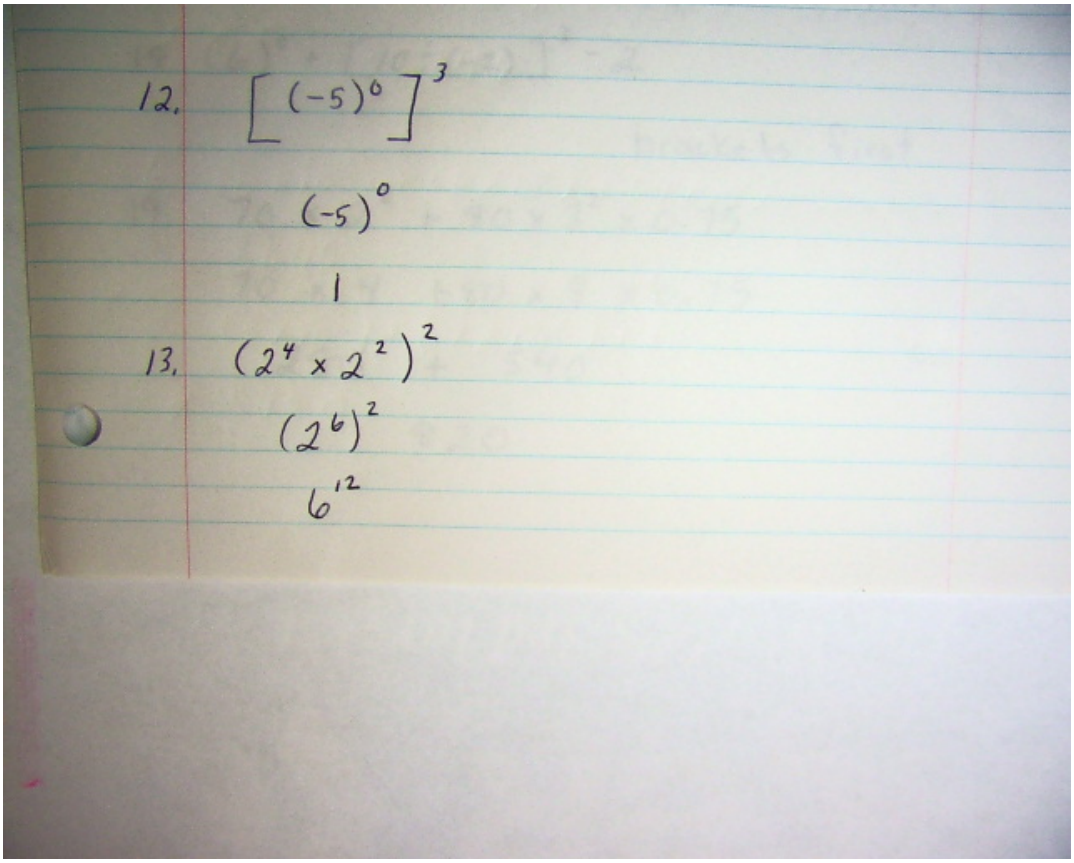
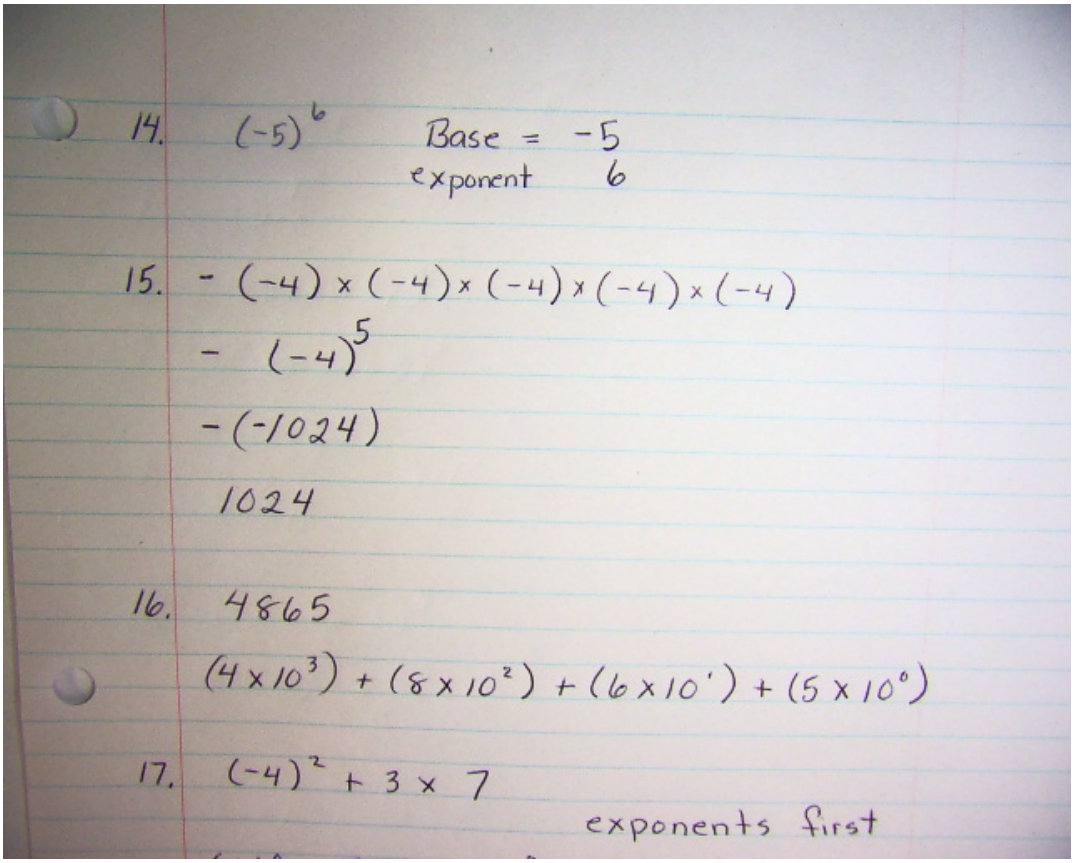
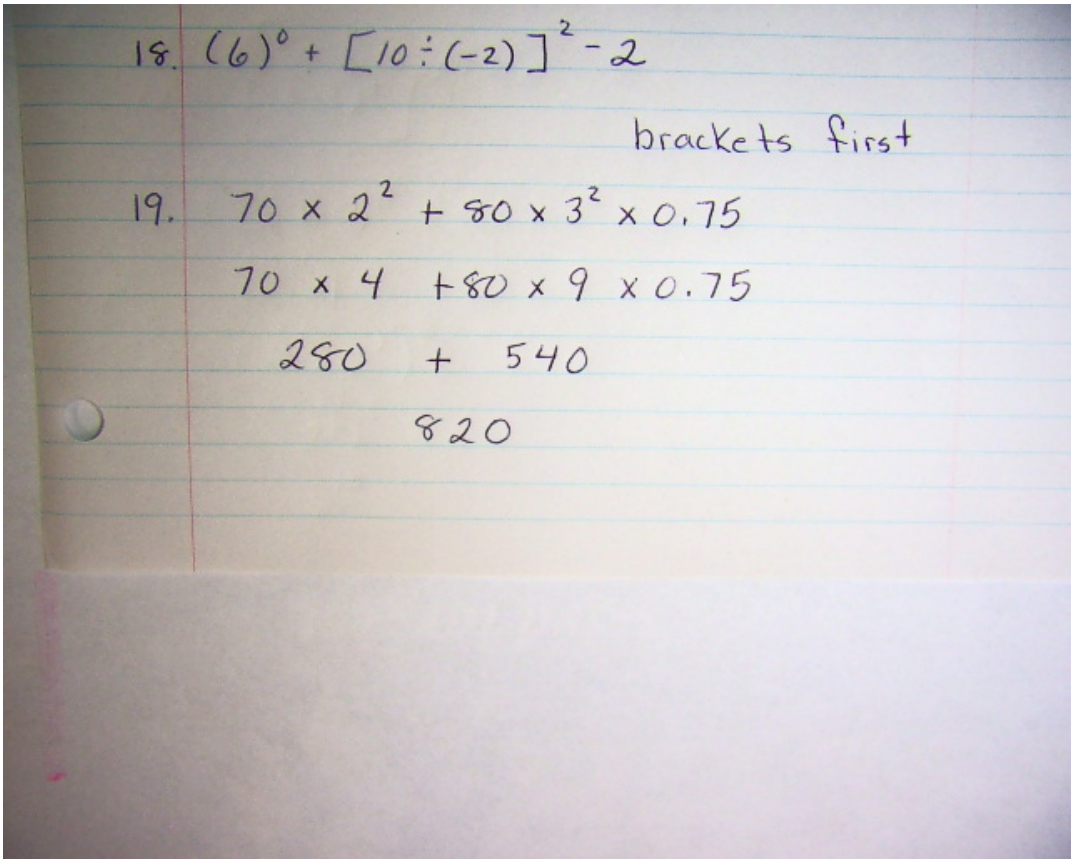

Powers. Review
1. $-(-5)^3$
-5
2. $6^5 = 7776$
3. $(-6)^6$ +
$-(+6)^6$ -
$-(-6)^6$ -
4. $(-13)^0 = 1$
5. $(3\times10^4)+(5\times10^3)+(7\times10^2)+(4\times10^1)+(6\times10^0)$
35746

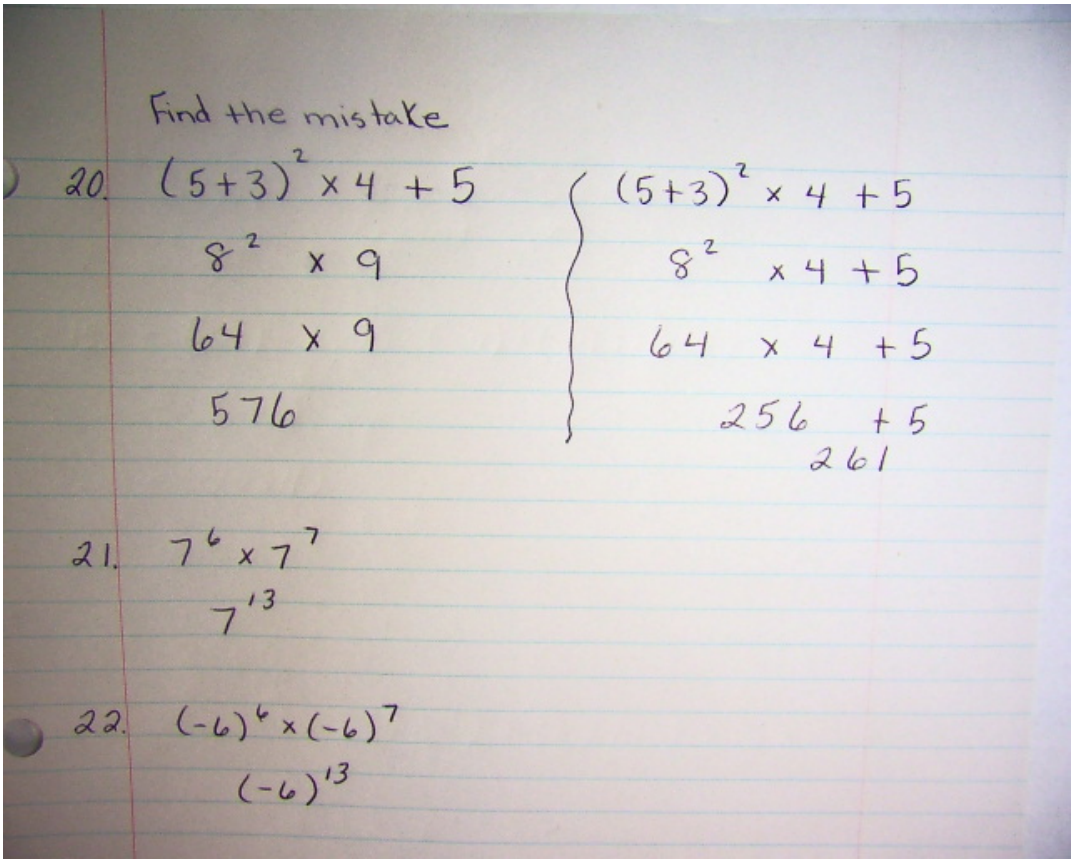

6. $(5 \times 10^3) + (6 \times 10^2) + (4 \times 10^1) + (7 \times 10^0) = 5647$
5645
$(5 \times 10^3) + (7 \times 10^2) + (8 \times 10^0) = 5708$
5780

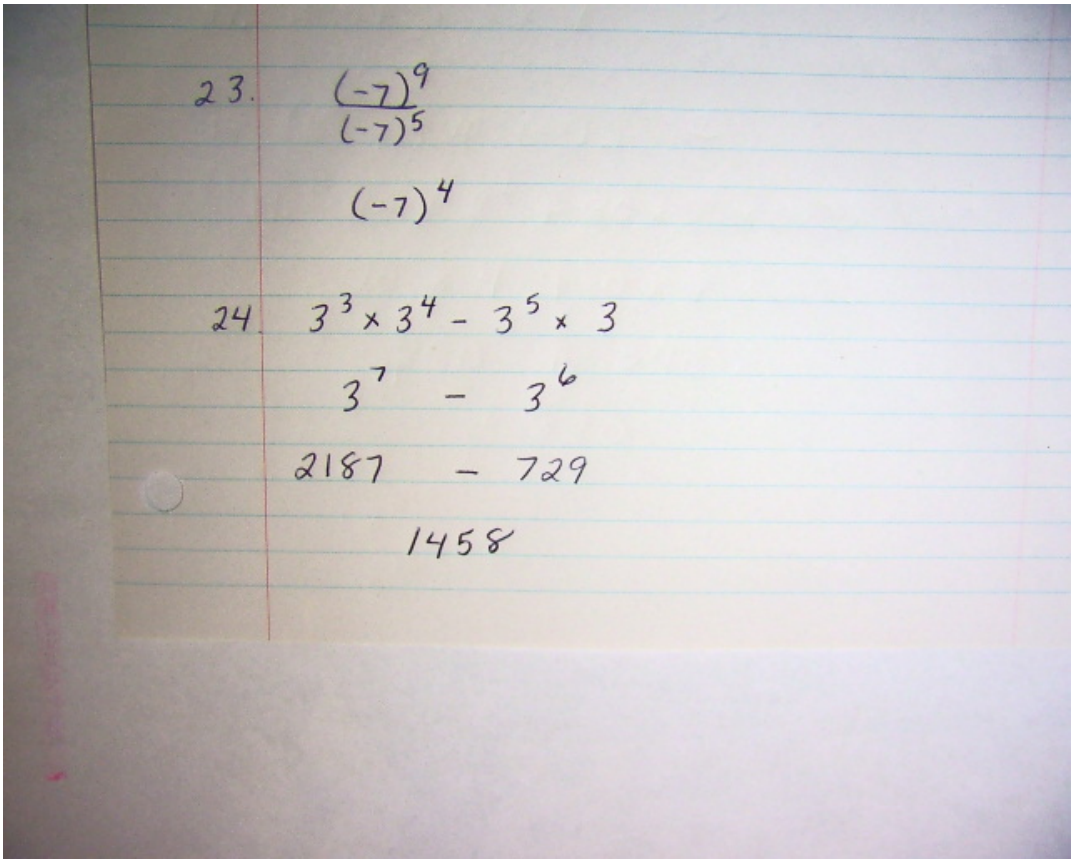

7. $5^3 \times 5^4$
5^7
8. $[(-4) \times (-5)]^3$
$(-4)^3 \times (-5)^3$
9. $\left(\frac{11}{9}\right)^5 = \frac{11^5}{9^5}$
10. $[(-7) \times 3]^4$
$(-7)^4 \times 3^4$
11. $\left(\frac{7}{3}\right)^3 = \frac{7^3}{3^3}$

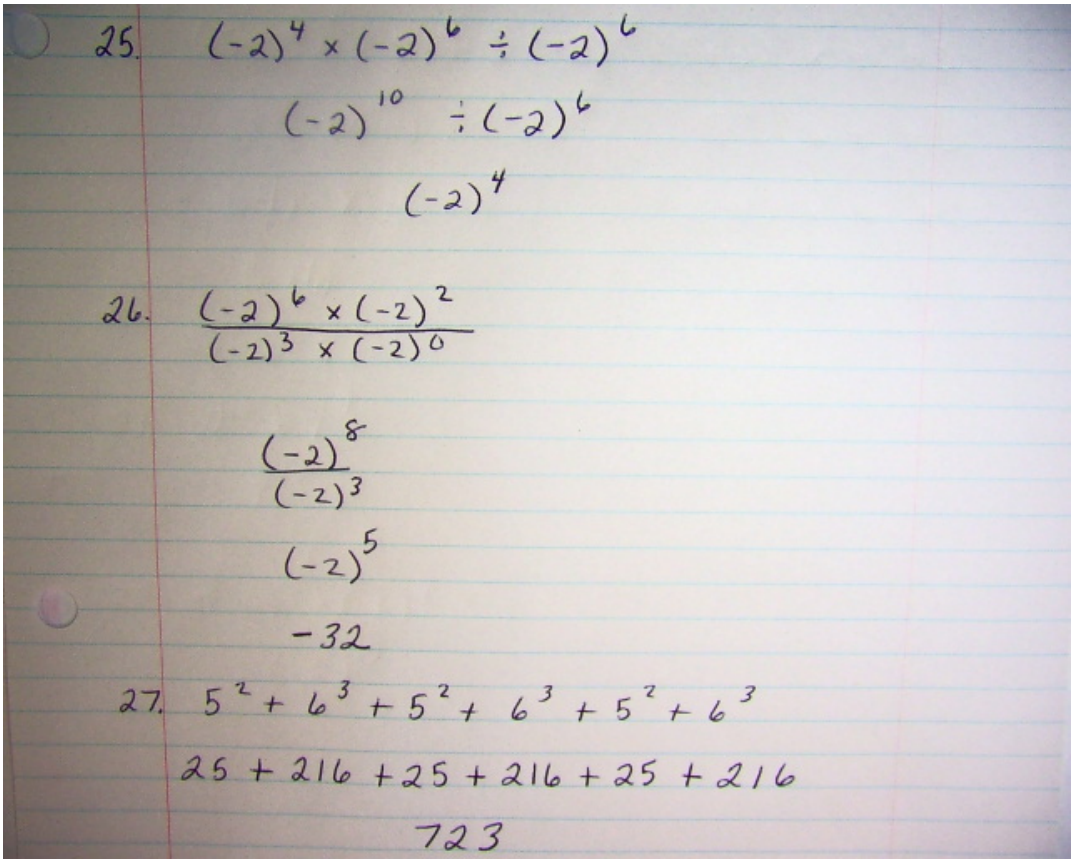

12. $[(-5)^0]^3$
$(-5)^0$
1
13. $(2^4 \times 2^2)^2$
$(2^6)^2$
6^{12}


14. $(-5)^6$
Base = -5
exponent 6
15. $-(-4)\times(-4)\times(-4)\times(-4)\times(-4)$
$-(-4)^5$
$-(-1024)$
1024
16. 4865
$(4\times10^3)+(8\times10^2)+(6\times10^1)+(5\times10^0)$
17. $(-4)^2+3\times7$
exponents first


18. $(6)^0 + [10 \div (-2)]^2 - 2$
brackets first
19. $70 \times 2^2 + 80 \times 3^2 \times 0.75$
$70 \times 4 + 80 \times 9 \times 0.75$
$280 + 540$
820


Find the mistake
20. $(5+3)^2 \times 4 + 5$
$8^2 \times 9$
64×9
576
$(5+3)^2 \times 4 + 5$
$8^2 \times 4 + 5$
$64 \times 4 + 5$
$256 + 5$
261
21. $7^6 \times 7^7$
7^{13}
22. $(-6)^6 \times (-6)^7$
$(-6)^{13}$


23. $\frac{(-7)^9}{(-7)^5}$
$(-7)^4$
24. $3^3 \times 3^4 - 3^5 \times 3$
$3^7 - 3^6$
2187 − 729
1458



25. $(-2)^4 \times (-2)^6 \div (-2)^6$

$(-2)^{10} \div (-2)^6$

$(-2)^4$

26. $\dfrac{(-2)^6 \times (-2)^2}{(-2)^3 \times (-2)^0}$

$\dfrac{(-2)^8}{(-2)^3}$

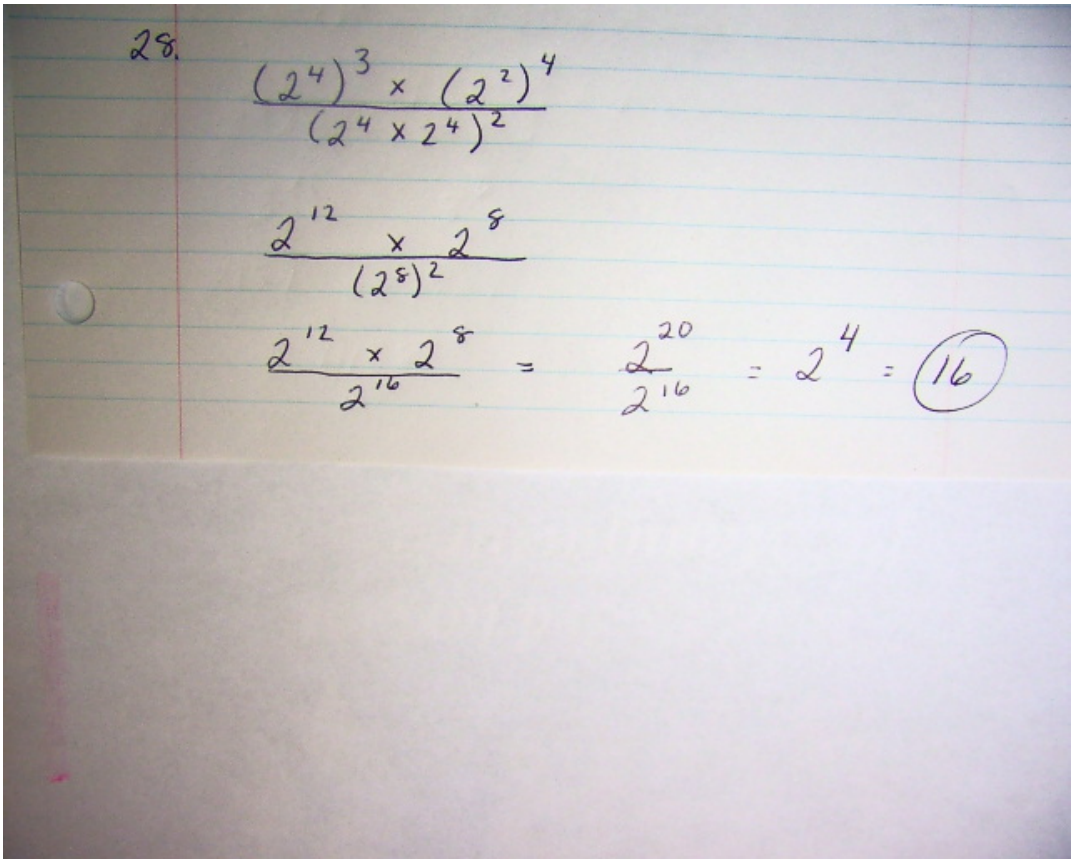
$(-2)^5$

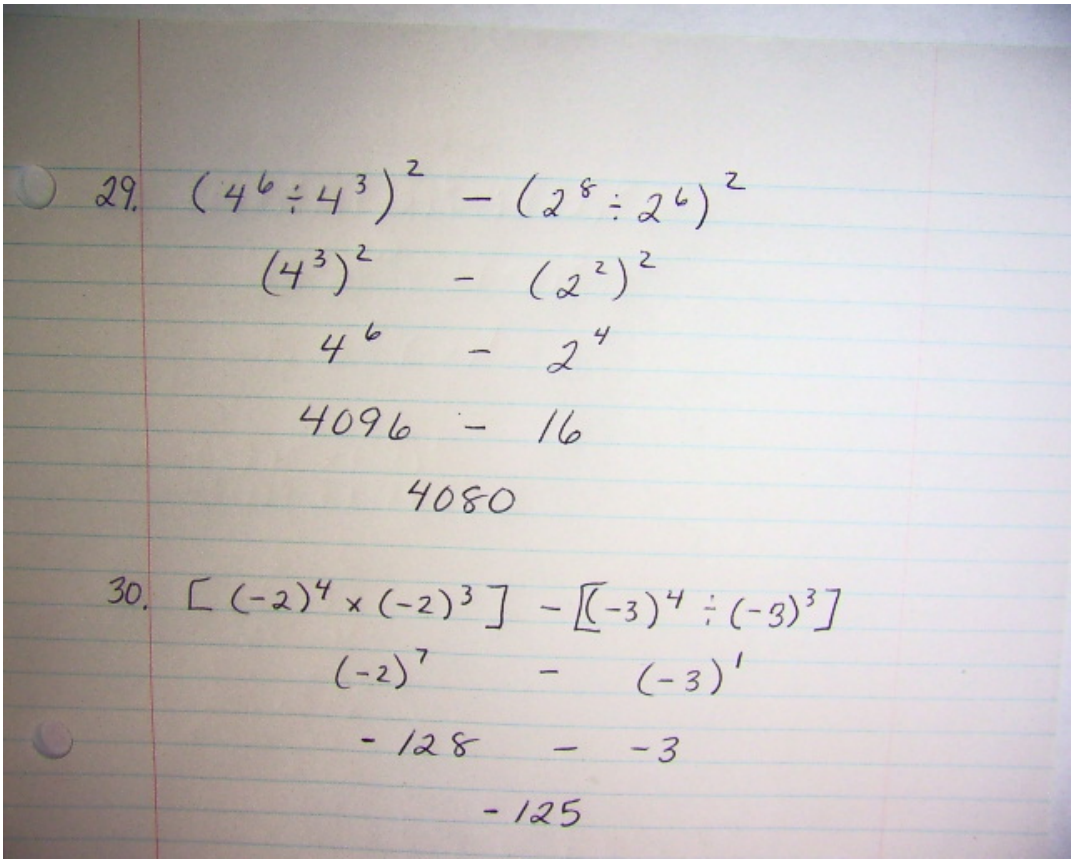
-32

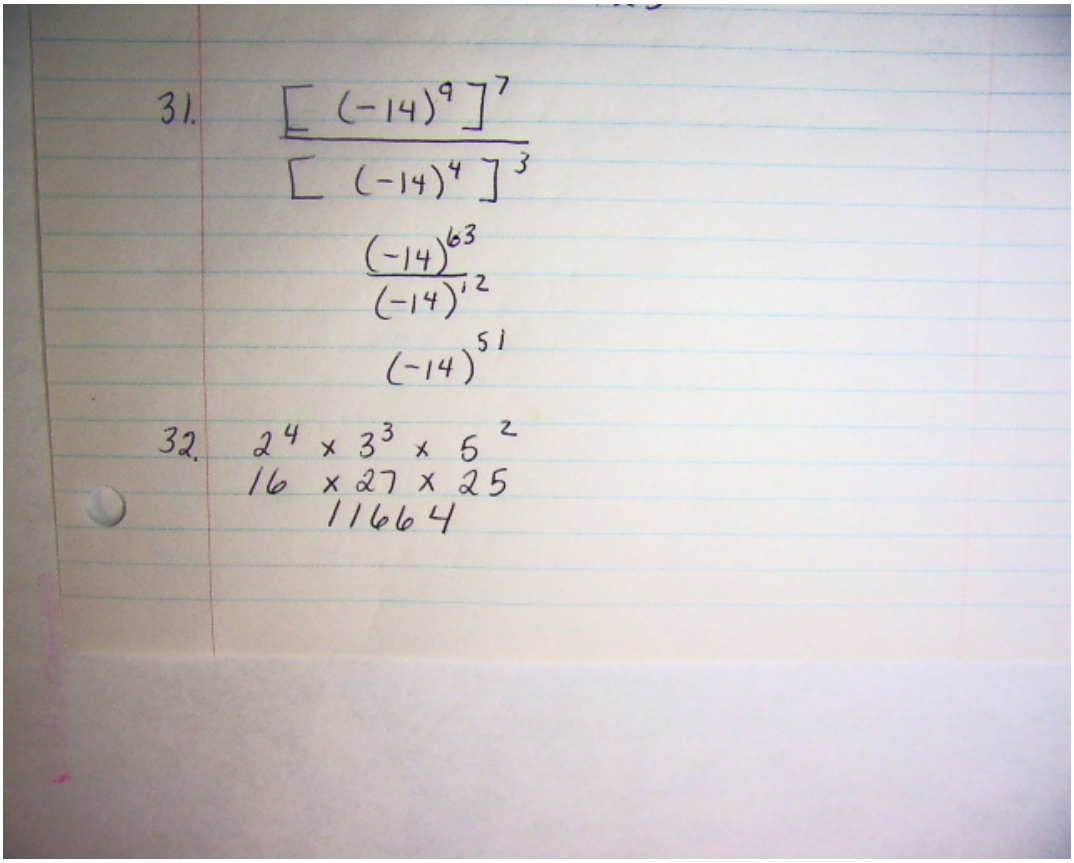
27. $5^2 + 6^3 + 5^2 + 6^3 + 5^2 + 6^3$

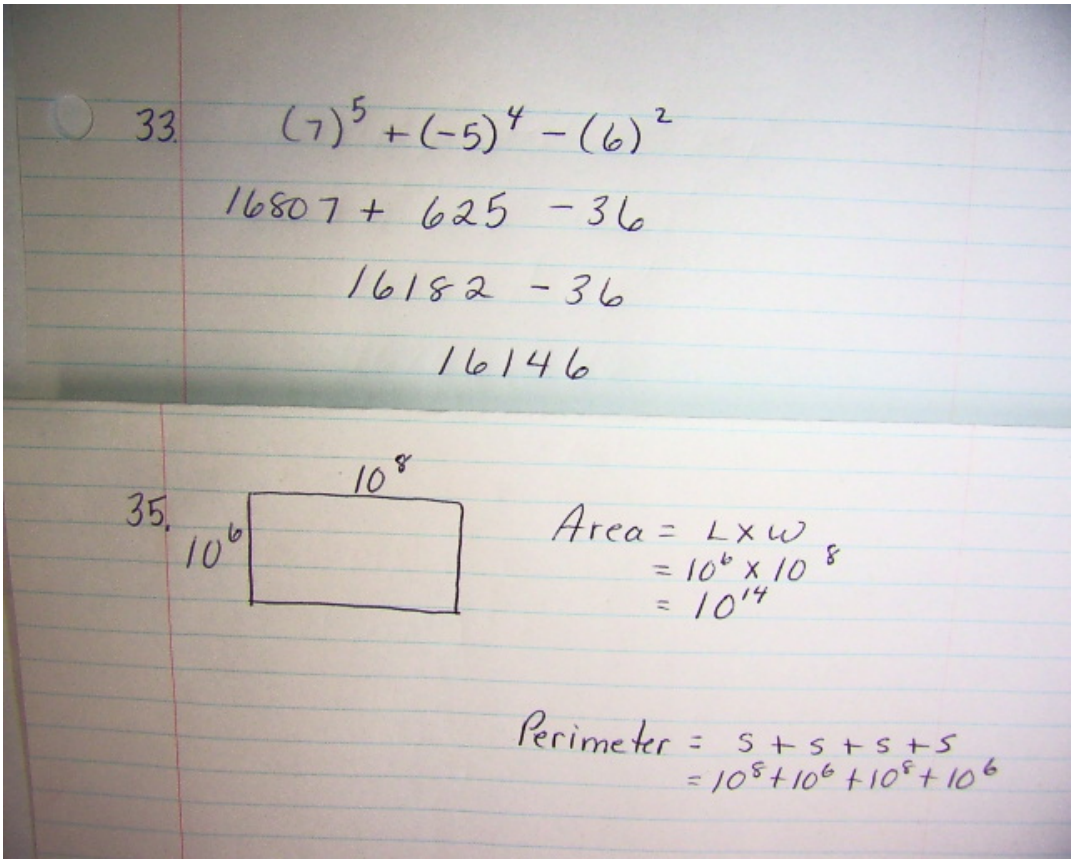
$25 + 216 + 25 + 216 + 25 + 216$

723


28.
$\frac{(2^4)^3 \times (2^2)^4}{(2^4 \times 2^4)^2}$
$\frac{2^{12} \times 2^8}{(2^8)^2}$
$\frac{2^{12} \times 2^8}{2^{16}} = \frac{2^{20}}{2^{16}} = 2^4 = 16$


29. $(4^6 \div 4^3)^2 - (2^8 \div 2^6)^2$
$(4^3)^2 - (2^2)^2$
$4^6 - 2^4$
$4096 - 16$
4080
30. $[(-2)^4 \times (-2)^3] - [(-3)^4 \div (-3)^3]$
$(-2)^7 - (-3)^1$
$-128 - -3$
-125


31. $\frac{[(-14)^9]^7}{[(-14)^4]^3}$
$\frac{(-14)^{63}}{(-14)^{12}}$
$(-14)^{51}$
32. $2^4 \times 3^3 \times 5^2$
$16 \times 27 \times 25$
11664


33.
$(7)^5 + (-5)^4 - (6)^2$
16807 + 625 − 36
16182 − 36
16146
35.
10^8
10^6
Area = L x w
$= 10^6 \times 10^8$
$= 10^{14}$
Perimeter = s + s + s + s
$= 10^8 + 10^6 + 10^8 + 10^6$