Name_____ ID: 1

REVIEW WKST THE REMAINDER THEOREM

Date_____ Period_____

Evaluate each function at the given value.

1) $f(n) = -5n^3 + 9n^2 + 12n + 11$ at $n = 3$

2) $f(n) = -4n^4 + 4n^3 + 14n^2 - 8n - 20$ at $n = 2$

3) $f(n) = n^4 + 7n^3 + 5n^2 - 6n + 2$ at $n = -2$

4) $f(n) = n^3 - 6n + 21$ at $n = -3$

5) $f(a) = a^4 + 6a^3 + 2a^2 - 17a$ at $a = -2$

6) $f(n) = 6n^3 + 10n^2 - 5n - 9$ at $n = -2$

7) $f(n) = n^3 + 6n^2 + 2n + 5$ at $n = -6$

8) $f(x) = x^3 - 42x - 43$ at $x = -6$

9) $f(n) = 2n^3 - 8n^2 + 2n + 15$ at $n = 2$

10) $f(a) = -5a^3 + 21a^2 + 18a + 17$ at $a = 5$

11) $f(m) = m^3 - 19m + 17$ at $m = 4$

12) $f(n) = -4n^4 - 22n^3 - 24n^2 - 4n - 4$ at $n = -4$