

Unit 8.1 Long Division of Polynomials easy PRACTICE

Period _____

Divide.

1) $(30a^3 + 10a^2 + 10a) \div 10a$

2) $(3v^4 + 8v^3 + 4v^2) \div 8v^2$

3) $(2x^4 - x^3 - 16x + 8x^2 + 12) \div (x - 1)$

4) $(2n^5 + 7n^4 - 14n - 55) \div (2n + 7)$

5) $(9v^4 - 33v^3 - 63v^2 + 117v - 32) \div (9v - 6)$

6) $(21n^4 - 42n^3 - 6n^2 + 22) \div (3n - 6)$

$$7) (10b^5 - 18b^3 - 17b^2 - 2b + 14) \div (b + 1)$$

$$8) (8x^3 + 35x^2 - 33x - 3) \div (8x - 5)$$

$$9) (2x^5 + 12 - 22x^2 + 28x - 6x^3) \div (-4 + 2x)$$

$$10) (10x^3 - 5x^2 - 10) \div (2x - 1)$$

$$11) (9n^4 + 27n^3 - 45n^2 + 17) \div (9n - 9)$$

$$12) (-64 - 38p^2 + 5p^3 + 83p) \div (5p - 8)$$

$$13) (8x^4 + 134x^2 + 4 + 66x^3 + 88x) \div (10 + 8x)$$

$$14) (8m^5 - 6m^4 - 16m + 17) \div (8m - 6)$$