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| Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Dividing Polynomials |
| 1)$$\left(x^{3}+10x^{2}+13x+36\right)÷(x+9)$$ | 2)$$\left(x^{2}-4x-12\right)÷(x-6)$$ |
| 3)$$\frac{x^{3}-12x^{2}+32x-15}{x-3}$$ | 4)$$\frac{x^{2}-9x-10}{x+1}$$ |
| 5) $$\frac{5x^{3}-13x^{2}+10x-8}{x-2}$$ | 6)$$\frac{x^{2}+2x-24}{x-4}$$ |
| 7) $$\left(x^{2}+14x+31\right)÷(x+10)$$ | 8)$$\left(3x^{3}-5x^{2}+10x-3\right)÷(3x+1)$$ |
| 9)$$\frac{8x^{4}-4x^{2}+x+4}{2x+1}$$ | 10)$$\frac{2x^{3}-9x^{2}+15}{2x-5}$$ |
| 11)$$\left(2x^{3}-x^{2}-45\right)÷(x-3)$$ | 12)$$\left(2x^{3}+7x^{2}+2x+9\right)÷(2x+3)$$ |