1 = $(3a^2 + 5a^2 + 4) \div (3a)$

$\frac{3a^3}{3a} + \frac{5a^2}{3a} \quad \frac{4}{3a}$

$\frac{3}{3} a^3 + \frac{5}{3} a^2 - \frac{4}{3} a$

2 = $(2/3\ a^2b^2 - 1/4\ a^2b^4 + 5/8\ ab^4 - 2/5\ b^5) \div (-1/2\ ab^2)$

$\frac{\frac{2}{3} a^2b^2}{} - \frac{\frac{1}{4} a^2b^4}{-1/2\ ab^2} + \frac{\frac{5}{8} ab^4}{-1/2\ ab^2} - \frac{\frac{2}{5} b^5}{-1/2\ ab^2}$

$\frac{4}{3} ab - \frac{2}{4} ab^2 + \frac{10}{8} ab^2 - \frac{4}{5} ab^3$

$\frac{4a}{3} - \frac{1ab^2}{2} + \frac{5b^2}{3} - \frac{4ab^3}{5}$

3 = $(x^4 - 2x^3 - 11x^2 + 30x - 20) \div (x^2 + 3x - 2)$

$x^2 + 3x - 2 \overline{)\ x^4 - 2x^3 - 11x^2 + 30x - 20}$

$-x^4 - 3x^3 + 12x^2$

$-5x^3 - 0x^2 + 30x$

$5x^3 + 15x^2 - 10x$

$6x^2 + 20x - 20$

$-6x^2 - 18x + 12$

$2x - 8$

4 = $(x^6 + 5x^4 + 3x^2 - 2x) \div (x^2 - x + 3)$

$x^2 - x + 3$ ⟌ $x^6 + 0x^5 + 5x^4 + 0x^3 + 3x^2 - 2x + 0$

$x^4 + x^3 + 3x^2 - 6$

$-x^6 + x^5 - 3x^4$

$x^5 + 2x^4 + 0x^3$

$-x^5 + x^4 - 3x^3$

$3x^4 - 3x^3 + 3x^2$

$-3x^4 + 3x^3 - 9x^2$

$-6x^2 - 2x + 0$

$+6x^2 - 6x + 18$

$-8x + 18$

5 = $(x^4 - 2x^3 - 11x^2 + 30x - 20) \div (x^2 + 3 - 2)$

$x^2 + 3x - 2$ ⟌ $x^4 - 2x^3 - 11x^2 + 30x - 20$

$-x^4 - 3x^3 + 2x^2$

$-5x^3 - 9x^2 + 30x$

$5x^3 + 15x^2 - 10x$

$6x^2 + 20x - 20$

$-6x^2 - 18x + 12$

$2x - 8$

6 = $(x^6 + 5x^4 + 3x^2 - 2x) \div (x^2 - x + 3)$

$x^2 - x + 3$ ⟌ $x^6 + 0x^5 + 5x^4 + 0x^3 + 3x^2 - 2x + 0$

$-x^6 + x^5 - 3x^4$

$x^5 + 2x^4 + 0x^3$

$-x^5 + x^4 - 3x^3$

$3x^4 - 3x^3 + 3x^2$

$-3x^4 + 3x^3 - 3x^2$

$-6x^2 - 2x + 0$

$6x^2 - 6x + 18$

$-8x + 18$

7 = $(2x^4 - 2x^3 + 3x^2 + 5x + 10) \div (x + 2)$

$2x^3 - 6x^2 + 15x - 25$

$x + 2$ ⟌ $2x^4 - 2x^3 + 3x^2 + 5x + 10$

$-2x^4 - 4x^3$

$-6x^3 + 3x^2$

$6x^3 + 12x^2$

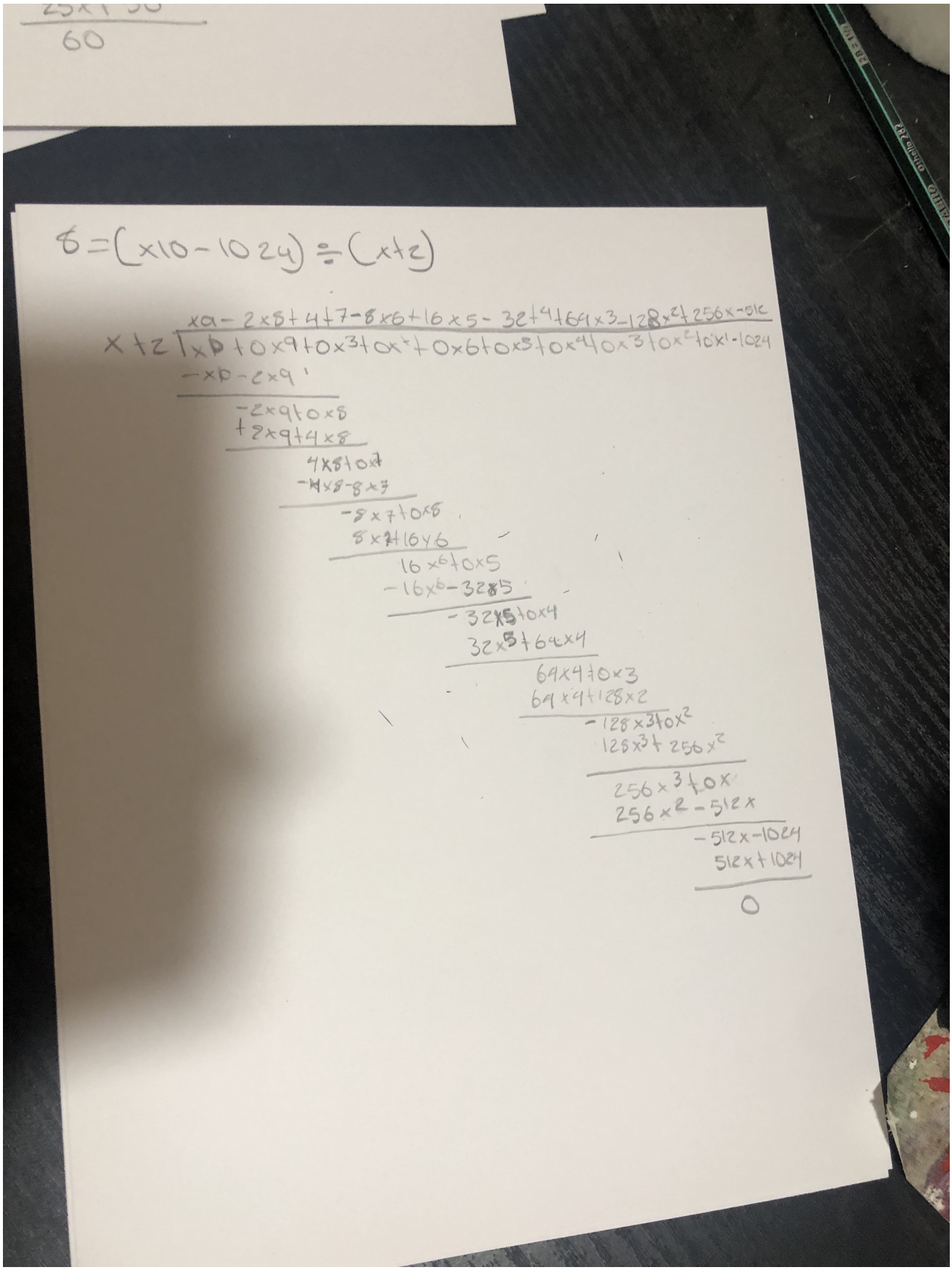
$15x^2 + 30x$

$-15x^2 - 30x$

$-25x + 100$

$-25x - 50$

60



9=(x3-5x1):(x-3)

x^2+3x+4 R 11

$x-3 \overline{)x^3-5x1}$

$-x^3+3x^2$

$3x^2-5x$

$-3x^2+9x$

$4x-1$

$-4x12$

11

R $-x^2+3x+4\left(\frac{11}{x-3}\right)$

10 $(R+53720)^5$

R = R20,15 TWO US

11 $=(-A^3B^4C^2D^5)6$

12 $=(3x^6x^3z^2)$ R: $ax^{12}x^6z^4$

13 $=(2/5\,a^2b-4/3\,ab-4)(3/2ab^2)$ R= $6/10\,a^2b^2-12/6\,a^2b^2-12/2ab^2$ $3b-a^2b^2-2a^2b^2-6ab^2$