

- 1) $\frac{-50a^2-265ax-51x^2}{(9x+2a)(5a+x)} + 6 + 6\frac{2ax-9x^2}{4a^2-81x^2}$
- 2) $\frac{-24a^2-40ax-14x^2}{(2x+6a)(4a+2x)} + 2 + 5\frac{6ax-2x^2}{36a^2-4x^2}$
- 3) $\frac{-12a^2+12ax+9x^2}{(2x+6a)(2a-3x)} + 2 + \frac{6ax-2x^2}{36a^2-4x^2}$
- 4) $\frac{-30a^2-60ax+240x^2}{(7x+2a)(3a-6x)} + 6 + 5\frac{2ax-7x^2}{4a^2-49x^2}$
- 5) $\frac{-48a^2-147ax-102x^2}{(x+2a)(3a+6x)} + 9 + 9\frac{2ax-x^2}{4a^2-x^2}$
- 6) $\frac{-90a^2-117ax+81x^2}{(5x+3a)(6a-3x)} + 6 + 2\frac{3ax-5x^2}{9a^2-25x^2}$
- 7) $\frac{-100a^2+5ax+60x^2}{(2x+4a)(5a-4x)} + 6 + 5\frac{4ax-2x^2}{16a^2-4x^2}$
- 8) $\frac{-30a^2-151ax-138x^2}{(8x+3a)(5a+6x)} + 3 + 7\frac{3ax-8x^2}{9a^2-64x^2}$
- 9) $\frac{-48a^2-163ax+130x^2}{(7x+2a)(3a-2x)} + 9 + 9\frac{2ax-7x^2}{4a^2-49x^2}$
- 10) $\frac{-210a^2-388ax-106x^2}{(6x+5a)(6a+2x)} + 8 + 11\frac{5ax-6x^2}{25a^2-36x^2}$
- 11) $\frac{-36a^2-66ax-10x^2}{(x+2a)(6a+x)} + 4 + 7\frac{2ax-x^2}{4a^2-x^2}$
- 12) $\frac{-32a^2-30ax+62x^2}{(6x+4a)(2a-2x)} + 5 + 7\frac{4ax-6x^2}{16a^2-36x^2}$
- 13) $\frac{-20a^2-70ax-30x^2}{(9x+5a)(2a+x)} + 3 + 12\frac{5ax-9x^2}{25a^2-81x^2}$
- 14) $\frac{-60a^2-54ax+42x^2}{(x+5a)(6a-3x)} + 3 + 12\frac{5ax-x^2}{25a^2-x^2}$
- 15) $\frac{-84a^2-414ax-432x^2}{(9x+3a)(4a+6x)} + 8 + 9\frac{3ax-9x^2}{9a^2-81x^2}$
- 16) $\frac{-48a^2+84ax+90x^2}{(2x+6a)(2a-5x)} + 5 + 10\frac{6ax-2x^2}{36a^2-4x^2}$
- 17) $\frac{-120a^2+99ax+54x^2}{(x+4a)(5a-6x)} + 7 + 3\frac{4ax-x^2}{16a^2-x^2}$
- 18) $\frac{-60a^2-142ax+86x^2}{(7x+3a)(4a-2x)} + 6 + 8\frac{3ax-7x^2}{9a^2-49x^2}$

- 19) $\frac{-10a^2-4ax+48x^2}{(6x+5a)(2a-4x)} + 2 + 6\frac{5ax-6x^2}{25a^2-36x^2}$
- 20) $\frac{-10a^2-58ax-40x^2}{(5x+2a)(5a+4x)} + 2 + 5\frac{2ax-5x^2}{4a^2-25x^2}$
- 21) $\frac{-18a^2-117ax-162x^2}{(8x+2a)(3a+6x)} + 4 + 3\frac{2ax-8x^2}{4a^2-64x^2}$
- 22) $\frac{-64a^2-158ax-93x^2}{(3x+4a)(2a+3x)} + 9 + 7\frac{4ax-3x^2}{16a^2-9x^2}$
- 23) $\frac{-60a^2-196ax+88x^2}{(9x+3a)(5a-2x)} + 5 + 8\frac{3ax-9x^2}{9a^2-81x^2}$
- 24) $\frac{-48a^2-53ax+23x^2}{(5x+4a)(3a-x)} + 5 + 3\frac{4ax-5x^2}{16a^2-25x^2}$
- 25) $\frac{-126a^2-135ax+26x^2}{(2x+3a)(6a-x)} + 8 + 12\frac{3ax-2x^2}{9a^2-4x^2}$
- 26) $\frac{-72a^2-135ax-37x^2}{(7x+6a)(3a+x)} + 5 + 9\frac{6ax-7x^2}{36a^2-49x^2}$
- 27) $\frac{-72a^2-110ax-38x^2}{(2x+6a)(2a+2x)} + 7 + 7\frac{6ax-2x^2}{36a^2-4x^2}$
- 28) $\frac{-60a^2-255ax-225x^2}{(7x+3a)(4a+5x)} + 6 + 10\frac{3ax-7x^2}{9a^2-49x^2}$
- 29) $\frac{-80a^2-133ax-51x^2}{(2x+4a)(5a+3x)} + 5 + 9\frac{4ax-2x^2}{16a^2-4x^2}$
- 30) $\frac{-96a^2-214ax-33x^2}{(3x+2a)(6a+x)} + 9 + 9\frac{2ax-3x^2}{4a^2-9x^2}$
- 31) $\frac{-32a^2+36ax+56x^2}{(2x+4a)(2a-4x)} + 5 + 6\frac{4ax-2x^2}{16a^2-4x^2}$
- 32) $\frac{-210a^2-342ax-132x^2}{(3x+5a)(6a+6x)} + 8 + \frac{5ax-3x^2}{25a^2-9x^2}$
- 33) $\frac{-36a^2+45ax+25x^2}{(x+4a)(3a-5x)} + 4 + 2\frac{4ax-x^2}{16a^2-x^2}$
- 34) $\frac{-60a^2-152ax-96x^2}{(3x+5a)(3a+4x)} + 5 + 12\frac{5ax-3x^2}{25a^2-9x^2}$
- 35) $\frac{-12a^2-49ax+115x^2}{(7x+2a)(3a-5x)} + 3 + 9\frac{2ax-7x^2}{4a^2-49x^2}$
- 36) $\frac{-90a^2-126ax+216x^2}{(6x+3a)(6a-6x)} + 6 + 6\frac{3ax-6x^2}{9a^2-36x^2}$

- 37) $\frac{-240a^2-504ax-192x^2}{(7x+5a)(6a+3x)} + 9 + 8\frac{5ax-7x^2}{25a^2-49x^2}$
- 38) $\frac{-96a^2-224ax+62x^2}{(7x+3a)(4a-x)} + 9 + 6\frac{3ax-7x^2}{9a^2-49x^2}$
- 39) $\frac{-40a^2-86ax+24x^2}{(7x+5a)(4a-x)} + 3 + 10\frac{5ax-7x^2}{25a^2-49x^2}$
- 40) $\frac{-120a^2-288ax-96x^2}{(7x+4a)(5a+2x)} + 7 + 6\frac{4ax-7x^2}{16a^2-49x^2}$
- 41) $\frac{-100a^2-220ax+168x^2}{(9x+4a)(5a-3x)} + 6 + 11\frac{4ax-9x^2}{16a^2-81x^2}$
- 42) $\frac{-56a^2-12ax+20x^2}{(x+2a)(4a-2x)} + 8 + 3\frac{2ax-x^2}{4a^2-x^2}$
- 43) $\frac{-48a^2-56ax-16x^2}{(x+3a)(4a+2x)} + 5 + 4\frac{3ax-x^2}{9a^2-x^2}$
- 44) $\frac{-36a^2+64ax+65x^2}{(2x+6a)(2a-5x)} + 4 + 7\frac{6ax-2x^2}{36a^2-4x^2}$
- 45) $\frac{-32a^2-150ax-162x^2}{(5x+4a)(2a+6x)} + 5 + 7\frac{4ax-5x^2}{16a^2-25x^2}$
- 46) $\frac{-56a^2-128ax-66x^2}{(3x+4a)(2a+3x)} + 8 + \frac{4ax-3x^2}{16a^2-9x^2}$
- 47) $\frac{-84a^2+4ax+144x^2}{(5x+4a)(3a-4x)} + 8 + \frac{4ax-5x^2}{16a^2-25x^2}$
- 48) $\frac{-18a^2-36ax-18x^2}{(2x+6a)(3a+3x)} + 2 + 4\frac{6ax-2x^2}{36a^2-4x^2}$
- 49) $\frac{-30a^2+2ax+12x^2}{(x+5a)(6a-4x)} + 2 + 2\frac{5ax-x^2}{25a^2-x^2}$
- 50) $\frac{-120a^2-173ax-62x^2}{(3x+5a)(3a+2x)} + 9 + 7\frac{5ax-3x^2}{25a^2-9x^2}$
- 51) $\frac{-40a^2-270ax-275x^2}{(9x+2a)(4a+5x)} + 6 + 10\frac{2ax-9x^2}{4a^2-81x^2}$
- 52) $\frac{-160a^2-9ax+63x^2}{(2x+4a)(5a-3x)} + 9 + 5\frac{4ax-2x^2}{16a^2-4x^2}$
- 53) $\frac{-50a^2-15ax+90x^2}{(x+2a)(5a-6x)} + 6 + 10\frac{2ax-x^2}{4a^2-x^2}$
- 54) $\frac{-120a^2-310ax-190x^2}{(4x+3a)(5a+5x)} + 9 + 6\frac{3ax-4x^2}{9a^2-16x^2}$

$$55) \frac{-120a^2 - 354ax - 252x^2}{(5x + 3a)(5a + 6x)} + 9 + 2 \frac{3ax - 5x^2}{9a^2 - 25x^2}$$

$$56) \frac{-72a^2 - 102ax - 21x^2}{(4x + 6a)(4a + x)} + 4 + 9 \frac{6ax - 4x^2}{36a^2 - 16x^2}$$

$$57) \frac{-90a^2 - 167ax - 76x^2}{(3x + 6a)(5a + 4x)} + 4 + 10 \frac{6ax - 3x^2}{36a^2 - 9x^2}$$

$$58) \frac{-45a^2 - 134ax + 136x^2}{(9x + 3a)(5a - 4x)} + 4 + 7 \frac{3ax - 9x^2}{9a^2 - 81x^2}$$

$$59) \frac{-48a^2 - 168ax + 96x^2}{(5x + 2a)(6a - 3x)} + 5 + 12 \frac{2ax - 5x^2}{4a^2 - 25x^2}$$

$$60) \frac{-90a^2 - 270ax - 180x^2}{(8x + 5a)(3a + 3x)} + 7 + 12 \frac{5ax - 8x^2}{25a^2 - 64x^2}$$

$$61) \frac{-72a^2 + 54ax + 81x^2}{(3x + 6a)(2a - 3x)} + 7 + 9 \frac{6ax - 3x^2}{36a^2 - 9x^2}$$

$$62) \frac{-60a^2 - 210ax - 180x^2}{(8x + 6a)(2a + 4x)} + 6 + 5 \frac{6ax - 8x^2}{36a^2 - 64x^2}$$

$$63) \frac{-90a^2 - 170ax - 80x^2}{(2x + 6a)(5a + 5x)} + 4 + 10 \frac{6ax - 2x^2}{36a^2 - 4x^2}$$

$$64) \frac{-30a^2 - 113ax + 50x^2}{(7x + 2a)(5a - 2x)} + 4 + 4 \frac{2ax - 7x^2}{4a^2 - 49x^2}$$

$$65) \frac{-20a^2 + 6ax + 8x^2}{(x + 4a)(5a - 4x)} + 2 + \frac{4ax - x^2}{16a^2 - x^2}$$

$$66) \frac{-30a^2 - 93ax - 63x^2}{(8x + 5a)(3a + 3x)} + 3 + 5 \frac{5ax - 8x^2}{25a^2 - 64x^2}$$

$$67) \frac{-105a^2 - 303ax - 198x^2}{(8x + 5a)(3a + 3x)} + 8 + 10 \frac{5ax - 8x^2}{25a^2 - 64x^2}$$

$$68) \frac{-15a^2 - 65ax - 50x^2}{(7x + 3a)(5a + 5x)} + 2 + 3 \frac{3ax - 7x^2}{9a^2 - 49x^2}$$

$$69) \frac{-150a^2 - 10ax + 228x^2}{(7x + 6a)(5a - 6x)} + 6 + 3 \frac{6ax - 7x^2}{36a^2 - 49x^2}$$

$$70) \frac{-60a^2 - 208ax + 76x^2}{(6x + 2a)(6a - 2x)} + 6 + 8 \frac{2ax - 6x^2}{4a^2 - 36x^2}$$

$$71) \frac{-30a^2 - 84ax - 48x^2}{(5x + 3a)(5a + 4x)} + 3 + 2 \frac{3ax - 5x^2}{9a^2 - 25x^2}$$

$$72) \frac{-18a^2 - 12ax + 70x^2}{(5x + 6a)(3a - 5x)} + 2 + 9 \frac{6ax - 5x^2}{36a^2 - 25x^2}$$

- 73) $\frac{-210a^2 + 30ax + 180x^2}{(4x + 5a)(6a - 6x)} + 8 + 2\frac{5ax - 4x^2}{25a^2 - 16x^2}$
- 74) $\frac{-80a^2 - 118ax + 79x^2}{(9x + 5a)(2a - x)} + 9 + 7\frac{5ax - 9x^2}{25a^2 - 81x^2}$
- 75) $\frac{-48a^2 - 52ax + 186x^2}{(6x + 3a)(4a - 6x)} + 5 + 7\frac{3ax - 6x^2}{9a^2 - 36x^2}$
- 76) $\frac{-24a^2 + 4ax + 48x^2}{(5x + 6a)(4a - 6x)} + 2 + 3\frac{6ax - 5x^2}{36a^2 - 25x^2}$
- 77) $\frac{-20a^2 - 56ax - 36x^2}{(4x + 5a)(2a + 2x)} + 3 + 10\frac{5ax - 4x^2}{25a^2 - 16x^2}$
- 78) $\frac{-72a^2 - 330ax + 252x^2}{(9x + 2a)(6a - 4x)} + 7 + 9\frac{2ax - 9x^2}{4a^2 - 81x^2}$
- 79) $\frac{-36a^2 - 68ax + 104x^2}{(8x + 3a)(2a - 2x)} + 7 + 4\frac{3ax - 8x^2}{9a^2 - 64x^2}$
- 80) $\frac{-108a^2 - 198ax + 180x^2}{(6x + 3a)(6a - 4x)} + 7 + 9\frac{3ax - 6x^2}{9a^2 - 36x^2}$
- 81) $\frac{-24a^2 + 8ax + 130x^2}{(6x + 4a)(2a - 5x)} + 4 + 8\frac{4ax - 6x^2}{16a^2 - 36x^2}$
- 82) $\frac{-42a^2 - 140ax - 112x^2}{(3x + 2a)(3a + 4x)} + 8 + 7\frac{2ax - 3x^2}{4a^2 - 9x^2}$
- 83) $\frac{-10a^2 - 24ax + 34x^2}{(8x + 5a)(2a - 2x)} + 2 + 9\frac{5ax - 8x^2}{25a^2 - 64x^2}$
- 84) $\frac{-168a^2 - 190ax - 27x^2}{(3x + 4a)(6a + x)} + 8 + 6\frac{4ax - 3x^2}{16a^2 - 9x^2}$
- 85) $\frac{-120a^2 - 106ax + 21x^2}{(3x + 5a)(6a - x)} + 5 + 9\frac{5ax - 3x^2}{25a^2 - 9x^2}$
- 86) $\frac{-8a^2 - 22ax - 14x^2}{(x + 4a)(2a + 2x)} + 2 + 6\frac{4ax - x^2}{16a^2 - x^2}$
- 87) $\frac{-16a^2 - 72ax - 56x^2}{(5x + 2a)(4a + 4x)} + 3 + 4\frac{2ax - 5x^2}{4a^2 - 25x^2}$
- 88) $\frac{-32a^2 - 196ax - 164x^2}{(8x + 2a)(4a + 4x)} + 5 + 9\frac{2ax - 8x^2}{4a^2 - 64x^2}$
- 89) $\frac{-36a^2 - 70ax + 186x^2}{(9x + 3a)(4a - 6x)} + 4 + 4\frac{3ax - 9x^2}{9a^2 - 81x^2}$
- 90) $\frac{-120a^2 - 180ax - 60x^2}{(4x + 5a)(4a + 2x)} + 7 + 6\frac{5ax - 4x^2}{25a^2 - 16x^2}$

- 91) $\frac{-48a^2-78ax-27x^2}{(2x+3a)(2a+x)} + 9 + 11\frac{3ax-2x^2}{9a^2-4x^2}$
- 92) $\frac{-60a^2-168ax-96x^2}{(3x+4a)(3a+6x)} + 6 + \frac{4ax-3x^2}{16a^2-9x^2}$
- 93) $\frac{-48a^2+54ax+165x^2}{(8x+6a)(2a-5x)} + 5 + \frac{6ax-8x^2}{36a^2-64x^2}$
- 94) $\frac{-36a^2-58ax+94x^2}{(6x+3a)(2a-2x)} + 7 + 11\frac{3ax-6x^2}{9a^2-36x^2}$
- 95) $\frac{-168a^2-296ax-130x^2}{(2x+4a)(6a+5x)} + 8 + 12\frac{4ax-2x^2}{16a^2-4x^2}$
- 96) $\frac{-168a^2-486ax-318x^2}{(7x+4a)(6a+6x)} + 8 + 4\frac{4ax-7x^2}{16a^2-49x^2}$
- 97) $\frac{-16a^2-24ax+112x^2}{(9x+4a)(2a-4x)} + 3 + 10\frac{4ax-9x^2}{16a^2-81x^2}$
- 98) $\frac{-24a^2-50ax+51x^2}{(5x+2a)(4a-3x)} + 4 + 2\frac{2ax-5x^2}{4a^2-25x^2}$
- 99) $\frac{-30a^2-106ax+84x^2}{(8x+2a)(3a-2x)} + 6 + 2\frac{2ax-8x^2}{4a^2-64x^2}$
- 100) $\frac{-105a^2-154ax+336x^2}{(7x+3a)(5a-6x)} + 8 + 7\frac{3ax-7x^2}{9a^2-49x^2}$