

①

$$2x$$

②

$$\left(\frac{1}{3} + \frac{4}{5}\right)\left(\frac{1}{4} - \frac{3}{2}\right)$$

③

$$\frac{\frac{x}{z} + y}{\frac{x+yz}{z^2}}$$

④

$$a^{1/4}$$

⑤

$$1$$

⑥

$$\left(\frac{x}{z}\right)^2 \left(\frac{yz}{x}\right)^3 \left(\frac{y}{z}\right)^{-1}$$

⑦

$$b^2(ab)^2$$

⑧

$$\frac{3}{4(x+1)} - \frac{7}{2(x-1)}$$

⑨

$$-\frac{x}{z}$$

⑩

$$\frac{(xyz)^2}{x^3}$$

⑪

$$\frac{\frac{x}{x^3+5x^2-3x+2}}{\frac{2x}{x^3+5x^2-3x+2}}$$

⑫

$$\left(\frac{1/3}{2/5}\right)^{-2}$$

13

$$\frac{1}{2} - 2$$

14

$$-\frac{3}{2} + \frac{1}{12}$$

15

$$\frac{x^2}{y^2}$$

16

$$\frac{xz+y}{y-z^2}$$

17

$$4\left(\frac{3}{5}\right)^2$$

18

*a*

19

$$\left(\frac{1}{5} - \frac{2}{3}\right)^2$$

20

$$\frac{x+\frac{y}{z}}{\frac{y}{z}-z}$$

21

$$\frac{xx+y}{yx-y}$$

22

$$-10$$

23

$$-\frac{1}{2(x^2-1)}$$

24

$$-\left(\frac{5^2}{6}\right)$$

25

$$(ab)^6$$

26

$$\frac{1}{25} + \frac{4}{9}$$

27

$$-\frac{11x+17}{4x^2-4}$$

28

$$-\frac{5}{8}$$

29

$$\frac{\frac{x}{y}+1}{1-\frac{y}{x}}$$

30

$$\left(\frac{-2}{3}\right)^{-1}$$

31

$$a^{1/2}a^{1/2}$$

32

$$\frac{1}{2x}$$

33

$$\frac{1}{z}$$

34

$$\frac{x}{1/2}$$

35

$$15$$

36

$$\frac{x/y}{y/x}$$

37

$$\frac{49}{15^2}$$

38

$$\frac{4/3}{2/5}$$

39

$$1/2$$

40

$$\frac{a^2b^3}{b^{-1}}$$

41

$$1$$

42

$$\frac{1+\frac{3}{2}}{\frac{3}{4}-1}$$

43

$$\frac{5!}{2!+3!}$$

44

$$z$$

45

$$a^{1/2}$$