

Multiply or divide the following:

1.  $\sqrt{25x^2}$

2.  $\sqrt{49r^6s^6}$

3.  $\sqrt{121b^2}$

4.  $\sqrt{75q^3}$

5.  $\sqrt{81n^2}$

6.  $\sqrt{56a^6b^4}$

7.  $\sqrt{36z^4}$

8.  $\sqrt{\frac{f^2}{49}}$

9.  $\sqrt{64r^2s^2}$

10.  $\sqrt{\frac{e^4f^4}{169}}$

11.  $\sqrt{100m^4n^4}$

12.  $\sqrt{\frac{9}{z^{16}}}$

13.  $\sqrt{81c^{15}}$

14.  $\sqrt{\frac{x^9}{y^{13}}}$

15.  $\sqrt{54m^5n^{25}}$

16.  $\sqrt{80b^{19}c^{28}}$

17.  $\sqrt{120a^{30}}$

18.  $\sqrt{160h^{201}}$

19.  $\sqrt{\frac{20}{x^{99}}}$

20.  $\sqrt{\frac{52}{324}}$

21.  $3\sqrt{5} + 7\sqrt{5}$

22.  $\sqrt{27} - \sqrt{3}$

23.  $7\sqrt{3} - 5\sqrt{3}$

24.  $48\sqrt{3} - \sqrt{3}$

25.  $2\sqrt{75} - 5\sqrt{48}$

26.  $3\sqrt{32} - 4\sqrt{8}$

27.  $7\sqrt{20} + 6\sqrt{500}$

28.  $9\sqrt{75} + 2\sqrt{147}$

29.  $10\sqrt{338} - \sqrt{200} + 2\sqrt{162}$

30.  $5\sqrt{2} + 8\sqrt{32} - 6\sqrt{72}$

31.  $14\sqrt{63} - 2\sqrt{28}$

32.  $3\sqrt{96} + 9\sqrt{150}$