

What Should You Do If Nobody Will Sing With You?



Simplify each expression. Find your answer below the exercise and notice the letter next to it. Write this letter in the box at the bottom of the page that contains the number of that exercise.

$$\begin{array}{ll} (1) 2\sqrt{5} + 4\sqrt{5} & 6\sqrt{5} \\ (2) 7\sqrt{3} - 3\sqrt{3} & 4\sqrt{3} \\ (3) 2\sqrt{6} - 7\sqrt{6} & -5\sqrt{6} \\ (4) 5\sqrt{x} + \sqrt{x} & 6\sqrt{x} \\ (5) 9\sqrt{5} - 8\sqrt{5} & \sqrt{5} \end{array}$$

$$\begin{array}{ll} (L) 4\sqrt{5} & (E) 4\sqrt{3} \\ (\cancel{I}) 6\sqrt{x} & (R) 3\sqrt{x} \\ (\cancel{T}) 6\sqrt{5} & (N) 6\sqrt{3} \\ (\cancel{A}) \sqrt{5} & (\cancel{U}) -5\sqrt{6} \end{array}$$

$$\begin{array}{ll} (11) \frac{3\sqrt{12} + 4\sqrt{3}}{2\cdot\sqrt{3}\cdot\sqrt{3}} & 8\sqrt{3} + 4\sqrt{3} \\ & 10\sqrt{3} \\ (12) 8\sqrt{5} - 2\sqrt{45} & 8\sqrt{5} - 6\sqrt{5} \\ & 2\sqrt{5} \\ (13) 7\sqrt{18} + 2\sqrt{50} & 21\sqrt{2} + 10\sqrt{2} \\ & 31\sqrt{2} \\ (14) 6\sqrt{24} - 5\sqrt{54} & 12\sqrt{6} - 15\sqrt{6} \\ & -3\sqrt{6} \\ (15) -\sqrt{27} + 4\sqrt{48} & -3\sqrt{3} + 16\sqrt{3} = 13\sqrt{3} \end{array}$$

$$\begin{array}{ll} (\cancel{R}) -3\sqrt{6} & (\cancel{E}) 10\sqrt{3} \\ (\cancel{S}) -4\sqrt{3} & (\cancel{L}) 2\sqrt{6} \\ (\cancel{T}) 2\sqrt{5} & (\cancel{N}) 13\sqrt{3} \\ (\cancel{E}) 24\sqrt{2} & (\cancel{Q}) 31\sqrt{2} \end{array}$$

$$\begin{array}{ll} (6) 5\sqrt{10} + 4\sqrt{10} - \sqrt{10} & 8\sqrt{10} \\ (7) 2\sqrt{3} - 6\sqrt{3} - 3\sqrt{3} & -7\sqrt{3} \\ (8) 6\sqrt{7} + 3\sqrt{3} - 2\sqrt{7} & 4\sqrt{7} + 3\sqrt{3} \\ (9) \sqrt{2} - 4\sqrt{6} + 5\sqrt{2} + \sqrt{6} & 6\sqrt{2} + (-3\sqrt{6}) \\ (10) 3\sqrt{a} + 9\sqrt{b} - \sqrt{b} - 2\sqrt{a} & \sqrt{a} + 8\sqrt{b} \end{array}$$

$$\begin{array}{ll} (H) 8\sqrt{3} & (S) 4\sqrt{2} - \sqrt{6} \\ (\cancel{E}) 8\sqrt{10} & (\cancel{F}) 4\sqrt{7} + 3\sqrt{3} \\ (\cancel{R}) \sqrt{a} + 8\sqrt{b} & (A) 3\sqrt{a} + 7\sqrt{b} \\ (\cancel{T}) -7\sqrt{3} & (\cancel{Y}) 6\sqrt{2} - 3\sqrt{6} \end{array}$$

$$\begin{array}{ll} (16) \frac{5\sqrt{8} + \sqrt{98} - 2\sqrt{18}}{2\sqrt{2}\cdot\sqrt{10}, 3\sqrt{4\cdot 7}} & 10\sqrt{2} + 7\sqrt{2} - 6\sqrt{2} \\ & \sqrt{4\cdot 7\cdot 10}, 10\sqrt{2} + \sqrt{2} = 11\sqrt{2} \\ (17) \frac{2\sqrt{90} - 3\sqrt{20} + \sqrt{40}}{4\sqrt{9\cdot 10}, 9\sqrt{4\cdot 5}} & 6\sqrt{10} - 6\sqrt{5} + 2\sqrt{10} \\ & 2\sqrt{11\cdot 14}, 8\sqrt{10} - 6\sqrt{5} \\ (18) \frac{4\sqrt{63} - 9\sqrt{28} + 2\sqrt{44}}{2\sqrt{9\cdot 7\cdot 3x}, \sqrt{7\cdot 8\cdot 3x}, 5\sqrt{4\cdot 13x}} & 12\sqrt{7} - 18\sqrt{7} + 4\sqrt{11} \\ & -6\sqrt{7} + 4\sqrt{11} \\ (19) \frac{2\sqrt{27x} + \sqrt{75x} + 5\sqrt{12x}}{6\sqrt{3x} + 5\sqrt{3x} + 10\sqrt{3x}} & 6\sqrt{3x} + 5\sqrt{3x} \\ & 16\sqrt{3x} + 5\sqrt{3x} \\ (20) \frac{-6\sqrt{9x} + 3\sqrt{64x} - \sqrt{50x}}{-6\sqrt{9x}, 3\sqrt{64x}, \sqrt{25\sqrt{2}x}} & -18\sqrt{x} + 24\sqrt{x} - 5\sqrt{2x} \\ & 24\sqrt{x} - 5\sqrt{2x} \end{array}$$

$$\begin{array}{ll} (B) 8\sqrt{3x} & (\cancel{U}) 6\sqrt{x} - 5\sqrt{2x} \\ (\cancel{L}) 11\sqrt{2} & (\cancel{S}) -6\sqrt{7} + 4\sqrt{11} \\ (\cancel{S}) \sqrt{10} - 9\sqrt{5} & (\cancel{D}) 8\sqrt{10} - 6\sqrt{5} \\ (\cancel{K}) 21\sqrt{3x} & (\cancel{P}) 3\sqrt{7} + \sqrt{11} \end{array}$$

10	2	15	7	5	17	20	11	1	9	13	3	14	18	6	16	8	19	4	12
R	E	N	T	A	D	U	E	T	Y	O	R	S	E	L	F	K	I	T	

Rent a Duet Yourself Kit