

"What's red, flies, and wobbles at the same time?"

Simplify the following expressions. The answer to each problem will match a letter that will allow you to figure out the joke.

1. $2\sqrt{10} + 8\sqrt{7} - 6\sqrt{10} - 4\sqrt{7}$

E: $17\sqrt{x}$

2. $6\sqrt{45} + \sqrt{20} - \sqrt{5}$

O: $19\sqrt{5}$

3. $\sqrt{16x} - 3\sqrt{x} + \sqrt{9x}$

P: $8x\sqrt{y}$

4. $\sqrt{12} + \sqrt{27} + \sqrt{8}$

A: $7\sqrt{5}$

5. $3\sqrt{2} + 5\sqrt{20} - 2\sqrt{45} + 3\sqrt{50}$

T: $-4\sqrt{10} + 4\sqrt{7}$

6. $\sqrt{x} + 6\sqrt{9x} - \sqrt{4x}$

J: $11y\sqrt{xy}$

7. $3\sqrt{x^2y} + \sqrt{36x^2y} - x\sqrt{y}$

I: $9\sqrt{x}$

8. $\sqrt{49xy^3} - \sqrt{xy^3} + y\sqrt{25xy}$

L: $18\sqrt{2} + 4\sqrt{5}$

R: $4\sqrt{x}$

S: $4x\sqrt{y}$

C: $5\sqrt{3} + 2\sqrt{2}$

M: $5\sqrt{3} + 13\sqrt{2}$

W: $15\sqrt{2} + 4\sqrt{5}$

8 6 5 5 2 4 2 7 1 6 3

Answer: _____