

Day 5 – Simplifying Radical Expressions

RADICALS ARE IN SIMPLEST FORM WHEN...

☆ NO perfect square factors other than 1 are under the radical.

Simplify:

1. $\sqrt{108}$

2. $\sqrt{20}$

3. $-4\sqrt{40}$

4. $\sqrt{x^6}$

5. $\sqrt{t^4q^6}$

6. $\sqrt{a^6bc^2}$

7. $\sqrt{24x^2y^8}$

8. $\sqrt{18x^7y^4}$

9. $\sqrt{100j^8k^{13}}$

10. $5\sqrt{8x^4y^7z^6}$

11. $3x\sqrt{16x^{10}y^4}$

12. $-2\sqrt{15x^2y^8}$