

Review Numbers part 2
Properties, Radicals, and Scientific Notation

Simplify

1. $-3(x-2)$

2. $-2(6 \cdot 2 - 5) + 3 \cdot 2 - 1$

3. $|-2-1|$

4. $3(x-2) - 2(2x+1)$

5. $-12c + 5 - 4c - 7$

6. $(-1)(-2)(-3)(-4)(-1)$

7. $\sqrt{75}$

8. $-2\sqrt{75}$

9. $\sqrt{2160}$

10. $\sqrt{500}$

11. $\sqrt{80}$

12. $-\sqrt{64}$

13. $\sqrt{507}$

14. $\sqrt{4225}$

15. $-2\sqrt{27} - 3\sqrt{3}$

16. $-2\sqrt{3} - 3\sqrt{2} + 3\sqrt{3} - 3\sqrt{2}$

STATE THE PROPERTY ILLUSTRATED BELOW.

17) $83 + 6 = 6 + 83$ _____

18) $15x + 15y = 15(x + y)$ _____

19) $7 + (8 + 15) = (7 + 8) + 15$ _____

20) $\frac{2}{3} \cdot \frac{3}{2} = 1$ _____

21) $wr = rw$ _____

22) $0 = 30 \cdot 0$ _____

23) $6 \cdot (x \cdot y) = (6 \cdot x) \cdot y$ _____

24) $(7x) \cdot (-1) = -7x$ _____

Write each number in standard form.

25. $5.62 \times 10^{-1} =$ _____ 26. $8.93 \times 10^{-4} =$ _____ 27. $9 \times 10^{-3} =$ _____

28. $3 \times 10^8 =$ _____ 29. $2.325 \times 10^4 =$ _____ 30. $8.26 \times 10^1 =$ _____

Write each number in scientific notation.

31. $7,320 =$ _____ 32. $.000345 =$ _____ 33. $642.36 =$ _____

34. $0.584 =$ _____ 35. $2,147,100 =$ _____ 36. $0.01025 =$ _____