

NAME _____ DATE _____ PER. _____

RETEST REVIEW: RADICALS

Simplify.

1. $\sqrt{176} =$

2. $2\sqrt{96} =$

3. $\sqrt{32x^4y^{10}} =$

4. $-3\sqrt{60x^7y^4} =$

5. $2\sqrt{64} =$

6. $4\sqrt{2} + 6\sqrt{2} =$

7. $\sqrt{324} - 3\sqrt{225} =$

8. $5x^3y^2\sqrt{98x^2y^9} =$

9. $4\sqrt{2} - 6\sqrt{72} + 8\sqrt{50} =$

10. $3\sqrt{45} + 7\sqrt{36} =$

11. $5\sqrt{12} - \sqrt{48} =$

12. $\sqrt{200} =$

13. Solve for x: $5x + 2 = 2x - 7$

14. Solve for x: $3(x - 1) = 18$

Answers:

$10\sqrt{2}$	7	$8\sqrt{6}$	$-6x^3y^2\sqrt{15x}$	$10\sqrt{2}$	-27	$8\sqrt{2}$
16	$4x^2y^5\sqrt{2}$	$4\sqrt{11}$	$9\sqrt{5} + 42$	-3	$6\sqrt{3}$	$35x^4y^6\sqrt{2y}$