

Radicals Review Sheet

Name _____

Simplify:

1. $\sqrt{12}$

2. $\sqrt{45}$

3. $2\sqrt{75}$

4. $4\sqrt{18x^2}$

5. $\sqrt{15x^2} \cdot \sqrt{5y}$

6. $\sqrt{32y} \cdot \sqrt{y^2}$

7. $\sqrt{\frac{a^2}{64}}$

8. $\sqrt{\frac{x^3}{4}}$

9. $\frac{1}{\sqrt{5}}$

10. $\frac{4}{\sqrt{7}}$

11. $\frac{12}{\sqrt{6}}$

12. $\frac{5}{\sqrt{2y}}$

13. $\frac{27}{\sqrt{3y^3}}$

14. $\sqrt{\frac{40k^2m}{2m^2}}$

15. $2\sqrt{3} + 5\sqrt{3} - \sqrt{3}$

16. $8\sqrt{5} - \sqrt{7} + 4\sqrt{5}$