

NAME: _____

P.I. A2.A.13: Simplify radical expressions

Simplify:

1. $\sqrt{18x^9y^{10}}$

2. $\sqrt{108x^3y^4}$

3. $\sqrt{32x^5y^8}$

4. $\sqrt{12x^{11}y^2}$

5. $\sqrt{50x^7y^6}$

6. $\sqrt{48x^3y^6}$

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

8. $\sqrt{27x^{11}y^8}$

9. $\sqrt{75x^9y^{10}}$

10. $\sqrt{72x^5y^4}$

[1] $3x^4y^5\sqrt{2x}$

[2] $6xy^2\sqrt{3x}$

[3] $4x^2y^4\sqrt{2x}$

[4] $2x^5y\sqrt{3x}$

[5] $5x^3y^3\sqrt{2x}$

[6] $4xy^3\sqrt{3x}$

[7] $2x^3y\sqrt{2x}$

[8] $3x^5y^4\sqrt{3x}$

[9] $5x^4y^5\sqrt{3x}$

[10] $6x^2y^2\sqrt{2x}$
