

MAT 013
FINAL REVIEW
Supplementary Page-(Radicals)

Simplify.

1. $\sqrt{45}$

[A] $5\sqrt{3}$

[B] $3\sqrt{5}$

[C] $3\sqrt{15}$

[D] $15\sqrt{3}$

2. $\sqrt{32}$

[A] $2\sqrt{16}$

[B] $16\sqrt{2}$

[C] $4\sqrt{2}$

[D] $8\sqrt{2}$

3. $\sqrt{9x^2}$

[A] $x\sqrt{9}$

[B] $9x$

[C] $3x$

[D] $3\sqrt{x^2}$

4. $\sqrt{12w^6x^6y^7}$

[A] $12\sqrt{3y}$

[B] $2w^3x^3y^3$

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

[D] $\sqrt{3y}$

5. $\sqrt{8x^5y^6}$

[A] $2xy^3\sqrt{8x}$

[B] $x\sqrt{2x}$

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

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

6. $7\sqrt{25x} + 3\sqrt{25x}$

[A] $10\sqrt{x}$

[B] $10x$

[C] $50\sqrt{x}$

[D] $50x$

7. $5\sqrt{x} - x + 2\sqrt{x} + 4$

[A] $-10x^2 + 4$

[B] $10x^2 + 4$

[C] $-x + 7\sqrt{x} + 4$

[D] $-x - 3\sqrt{x} + 4$

8. $5\sqrt{9x} + 7\sqrt{9x}$

[A] $12x$

[B] $12\sqrt{x}$

[C] $36\sqrt{x}$

[D] $36x$