

Integrated Algebra Practice: A.N.2

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NAME: _____

P.I. A.N.2: Simplify radical terms (no variable in the radicand)

Simplify:

1. $\sqrt{200}$

[A] $20\sqrt{10}$

[B] $10\sqrt{2}$

[C] $10\sqrt{20}$

[D] $2\sqrt{10}$

2. $\sqrt{75}$

[A] $5\sqrt{3}$

[B] $3\sqrt{5}$

[C] $5\sqrt{15}$

[D] $15\sqrt{5}$

3. $\sqrt{12}$

[A] $2\sqrt{6}$

[B] $2\sqrt{3}$

[C] $3\sqrt{2}$

[D] $6\sqrt{2}$

4. $\sqrt{18}$

[A] $2\sqrt{3}$

[B] $3\sqrt{6}$

[C] $3\sqrt{2}$

[D] $6\sqrt{3}$

5. $\sqrt{45}$

[A] $3\sqrt{5}$

[B] $5\sqrt{3}$

[C] $3\sqrt{15}$

[D] $15\sqrt{3}$

6. $\sqrt{500}$

[A] $50\sqrt{10}$

[B] $5\sqrt{10}$

[C] $10\sqrt{50}$

[D] $10\sqrt{5}$

7. $\sqrt{50}$

[A] $5\sqrt{2}$

[B] $2\sqrt{5}$

[C] $5\sqrt{10}$

[D] $10\sqrt{5}$

8. $\sqrt{300}$

[A] $30\sqrt{10}$

[B] $3\sqrt{10}$

[C] $10\sqrt{3}$

[D] $10\sqrt{30}$

9. $\sqrt{20}$

[A] $5\sqrt{2}$

[B] $2\sqrt{5}$

[C] $2\sqrt{10}$

[D] $10\sqrt{2}$

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[1] B

[2] A

[3] B

[4] C

[5] A

[6] D

[7] A

[8] C

[9] B