

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] $10\sqrt{2}$

[1] B

[2] A

[3] B

[4] C

[5] A

[6] D

[7] A

[8] C

[9] B