

5.2E and 5.2G Worksheet

Name ANSWER KEY Per

Simplify each radical:

1. $\sqrt{-100}$

$10i$

2. $\sqrt{200}$

$10\sqrt{2}$

3. $\sqrt{-64}$

$8i$

4. $\sqrt{98}$

$7\sqrt{2}$

5. $\sqrt{245}$

$7\sqrt{5}$

6. $\sqrt{-500}$

$10i\sqrt{5}$

7. $\sqrt{-72}$

$6i\sqrt{2}$

8. $\sqrt{25}$

5

9. $\sqrt{48}$

$4\sqrt{3}$

10. $\sqrt{-125}$

$5i\sqrt{5}$

11. $\sqrt{-288}$

$12i\sqrt{2}$

12. $\sqrt{54}$

$3\sqrt{6}$

13. $\sqrt{12}$

$2\sqrt{3}$

14. $\sqrt{-8}$

$2i\sqrt{2}$

15. $\sqrt{-192}$

$8i\sqrt{3}$

16. $\sqrt{-121}$

$11i$

17. $\sqrt{90}$

$3\sqrt{10}$

18. $\sqrt{-36}$

$6i$