Name:_____   Period:_____Date:_____

Radicals and Negative Numbers *Answers*

Section I. Solve with integers. If not possible, write "np"

1. $\sqrt{144}$ *12*

2. $\sqrt{8^2}$ *8*

3. $\sqrt{(-5)^2}$ *-5*

4. $\sqrt{17 \cdot 17}$ *17*

5. $\sqrt{(-13)^2}$ *-13*

6. $\sqrt[3]{64}$ *4*

7. $\sqrt[3]{(-8)}$ *-8*

8. $\sqrt{-49}$ *not possible*

9. $\sqrt{225}$ *15*

10. $\sqrt[4]{625}$ *5*

11. $\sqrt{x^2}$ *$|x|$*

12. $\sqrt[3]{(-9)^3}$ *-9*

13. $\sqrt[4]{(-13)^4}$ *-13*

14. $\sqrt[3]{y^6}$ *y^2*

15. $\sqrt[5]{32}$ *2*

16. $\sqrt[4]{81}$ *3*

17. $\sqrt{-100}$ *not possible*

18. $\sqrt[4]{-16}$ *not possible*

19. $\sqrt{(-11)^2}$ *-11*

20. $\sqrt[5]{(-g)^5}$ *$-g$*

21. $\sqrt[4]{(-7)^4}$ *-7*

22. $\sqrt[5]{-32}$ *-2*

23. $\sqrt{169}$ *13*

24. $\sqrt[3]{27}$ *3*

25. $\sqrt{15 \cdot 15}$ *15*

26. $\sqrt[4]{-81}$ *not possible*

27. $\sqrt{289}$ *17*

28. $\sqrt[4]{-625}$ *not possible*

29. $\sqrt[3]{w^{12}}$ *w^4*

30. $\sqrt[3]{-64}$ *-4*