| SM2 8.R Test Remediation Packet | Period |
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| 8.1 Properties of Exponents | Do this section is you got lower than 84 on Rules of Exponents. |
| Simplify using the properties of Exponents. Remember, positive exponents. <br> 1. $x^{3} \cdot x^{5}$ <br> 2. $\left(3 x^{2}\right)^{-4}$ <br> 3. $\frac{y^{4}}{y^{7}}$ <br> 4. $-9 x^{0}$ | Simplify using the properties of Exponents. Remember, positive exponents. <br> 5. $\left(\frac{16 x^{4} y^{-3}}{2^{6} y^{5}}\right)^{\frac{1}{2}}$ <br> 6. $\frac{j^{\frac{1}{4}} k^{\frac{7}{3}}}{j^{\frac{5}{4}} k^{-\frac{5}{3}}}$ |
| 7. Write $\sqrt[3]{x^{5}}$ in exponent form. | 8. Write $x^{\frac{4}{5}}$ in radical form. |
| 9. Write $y^{-\frac{3}{2}}$ in radical form. | Simplify the following. <br> 10. $64^{\frac{2}{3}}$ <br> 11. $32^{\frac{3}{5}}$ |
| Review | Do this section if you scored lower than a 52 on Review section. |


| 12. What is the product of $x^{2}+4 x-5$ <br> and $-3 x+6$ | 13. Factor the following equation: <br> $4 x^{2}-9 x+5$ |
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| 14. Simplify the following expression |  |
| $(-4+\sqrt{-36})(2-\sqrt{-9})-2(5+\sqrt{-64})$ |  |$\quad$| 15. Solve the following equation using the quadratic |
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| formula |
| Equations C (Linear): |
| Equation A (Absolute Value): |
| Eq (Quadratic): |
| 16. Write the equations of the given graphs to the |



