

Algebra II Regular Study Guide

Name _____ Date _____
Period _____

1. State the property that is illustrated. $3 \cdot (5 \cdot 7) = (3 \cdot 5) \cdot 7$
2. Evaluate $-3y + x + 30$ when $x = -3$ and $y = 9$.
3. Evaluate the expression. $60 - (15)(2) \div 3$
4. Evaluate $(7 + 5y) \div 3x$ when $x = \frac{1}{6}$ and $y = 3$.
5. Solve the equation. $-3x + 5 = -7x - 4$
6. Solve the equation. $-x + 3 = 7x + 8$
7. For 1980 through 1990, the population, P , (in thousands), of Hawaii can be modeled by $P = 17(t + 56.6)$ where $t = 0$ represents 1980. What was the population in 1987?
8. Solve for F : $C = \frac{5}{9}(F - 32)$
9. Solve for P : $A = P + Prt$
10. A rectangle is 5 feet longer than it is wide. The perimeter of the rectangle is 34 feet. What is the length of the rectangle?
11. Solve the inequality. Then graph your solution.
 $2x + 5 \geq 2 - (x - 9)$

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