Algebra 1 - Board Problems - Chapter 18

1) Five times the second of three consecutive even integers is six more than twice the sum of the first and third integers. Find the middle even integer.

2) Three times the second of three consecutive even integers is twelve less than twice the sum of the first and third integers. Find the largest even integer.

3) The sum of three consecutive even integers is negative forty-eight. Find the smallest integer.

4) Four times the smallest of three consecutive integers is three more than three times the largest.

Algebra

Problems of the Week, #2

Name_____

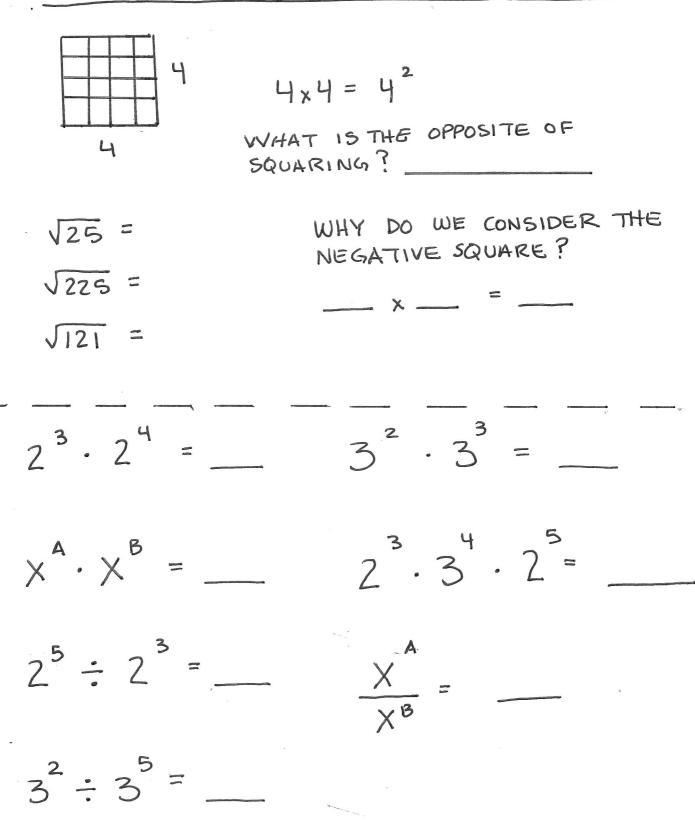
Solve simultaneous equations by SUBSTITUTION.

1. -2x + 6y = 6-7x + 8y = -5

Solve simultaneous equations by ELIMINATION.

2. 2x + y = 206x - 5y = 12

3. 8x + 14y = 4-6x - 7y = -10 ALG I - CH. 18 MULTIPLICATION/DIVISION OF EXPONENTS "



ALGI - Ch. 18 PRACTICE $02^{3} \cdot 2^{6} = 02^{8} \div 2^{6} =$ $3 q^{x} \cdot q^{y} \cdot q^{z} = 4 5^{3} \cdot 5 \cdot 5^{z} = (5) 3^2 \cdot 3^3 \cdot 3^4 \cdot 2^6 = (6) 3^2 \div 3^4 = (6) 3^4 \div 3^4 \div 3^4 \div 3^4 = (6) 3^4 \div 3^$ $(7) y^{2x} \cdot y^{3x} = (8) 2x^{4} \cdot 3x^{5} = (1)$ (D) - \181 = ____ 9 5625 = ____

DEFINE PARALLEL LINES _____

al.

LESSON PRACTICE

Simplify each expression.

1. $15^2 =$

2. $\sqrt{169} =$

3. $(-8)^2 =$

4. $-\sqrt{100} =$

5. $16^2 =$

6. $\sqrt{144} =$

7. $4^5 \cdot 4^2 =$

8. $8^4 \cdot 8^7 =$

9. $8^7 \div 8^3 =$

10. $3^8 \cdot 3^4 =$

11. $B^2 B^3 B^5 =$

12. $C^1 D^5 D^4 C^3 D^2 =$

13. $8^{X} \cdot 8^{Y} =$

14. $M^{10X} \div M^{3X} =$

15. $8^9 \cdot 8^{10} \div 8^3 =$

16. $X^{5Y} \div X^{2Y} =$