Name: _____ Period: ____ ME43 Classwork 28

1. What percent of 40 is 18?	6. Solve for p: $\frac{4}{5}p - 7 = \frac{p}{3}$	1. _____
		2. _____
2. Express as a single fraction: $\frac{w}{3} + x$	7. Solve: $11 - 5x > -9$	3. _____
		4. _____
3. 57 is what percent of 90?	8. The cost of tuition at City College increases by 7% per year. The tuition in 2011 was \$4,900. What will the tuition be in 2012?	5. _____
		6. _____
4. What is 98.6% of 210?	9. If the sales tax rate is 8%, what is the total cost of a \$300 iPod?	7. _____
		8. _____
5. Solve for y: $9ax + 2by = -12xa - 5by$	10. Which expression is equivalent to the expression $(7x^2 + y)(y - x^2)$ (1) $7x^2y - 7x^4 + y^2 - x^2y$ (2) $7x^2y - 7x^4y + y^2 - x^2y$ (3) $7x^2y + 7x^4 - y^2 + x^2y$ (4) $y^2 - x^2y$	9. _____ 10. _____

11. Solve for y: $-9y-3=19+2y$

12. 24% of what number is 17?

13. From $-2k^2+k-8$ subtract $6k+9$.

14. Jerry goes shopping. He spends half his money on food, one - fourth of his remaining money for a Playstation video game, and $85 for a Rocawear hoody. If he has only $5 left after all of these purchases, how much money did he have when he started shopping?

(1) $286 (3) $270

(2) $240 (4) $228

15. A shirt is on sale for $64.00. If the discount was 20% off, what was the original price?

16. Solve for x: $\frac{3-7x}{15} \geq 3$

17. Which product is a factored form of $3x^2-18x+24$?

(1) $3(x-4)(x+2)$ (3) $3(x+4)(x-2)$

(2) $3(x+4)(x+2)$ (4) $3(x-4)(x-2)$

18. Find three consecutive odd integers such that the sum of the smallest and twice the third is equal to the five times the second diminished by 128.

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____