EQUATIONS

Name: _____ Score: _____

Solve the following equations:

1. If $a > b$ and $ay - by = 4$, what is the value of y when $(a - b)^2 = 4$?

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_____ Solution: $y =$ _____

2. If x is a real number, how many values of x satisfy the equation $(x + 10)2 = 25$?

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_____Solution: $x =$ _____

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3. If $2x + 3y = 10$, what is the value of $4x + 6y$?

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_____Solution:

4. For which positive number is 16 times the cube root of the number the same as the number?

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_____Solution:

EQUATIONS

5. If $(x - 1)(y + 2)(z - 3) = 0$, what is the smallest value for $x^2 + y^2 + z^2$?

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_____ Solution:

6. For which positive number is 16 times the cube root of the number the same as the number?

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_____ Solution:

7. If a and b are positive integers such that $a < b$ and $7a + 11b = 243$, what is the value of $b - a$?

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_____ Solution:

User Notes & Tips:

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