



Algebra Quiz Review Package

Name: _____ Date: _____

1. Simplify the expressions

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a) $4x + 3x =$

b) $10y - 6y =$

c) $5a + 2 + 4a =$

d) $7b - 3 + 3b =$

2. Use a reverse flow chart to solve. Solve for x. Show your thinking.

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a) $2x \rightarrow +6 \rightarrow 16$

b) $3x \rightarrow -5 \rightarrow 10$

c) $4x \rightarrow +8 \rightarrow 24$

d) $5x \rightarrow -7 \rightarrow 18$

e) $2x \rightarrow \times 3 \rightarrow 30$

f) $6x \rightarrow \div 2 \rightarrow 9$

3. Solve by inspection

/2

a) $x + 8 = 15$

b) $4x = 28$

4. Solve for the variable. Show your work.

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a) $2x + 6 = 16$

b) $3x - 5 = 10$

5. Word Problem (Real-World Application)

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A student is ordering custom stickers.
Each sticker costs \$2. There is also a \$6 shipping fee.
The total cost is \$16.

👉 How many stickers did the student buy?

👉 Represent your answer using an algebraic expression