8. Simplify $7x + 2(5 - 3x)$ $= 7x + 10 - 6x$

$= x + 10$

6th Grade Math

Name _____

Practice Final PEMDAS

Find the value of each expression

1. $17 + (9 - 6) \times 3^3$

$17 + 3 \times 3^3$

$17 + 3 \times 27$ → $17 + 81 = 98$

2. $8 + 6 \times 4 \div 2^3$

$8 + 6 \times 4 \div 8$ → $8 + 24 \div 8$ → $8 + 3 = 11$

Define each variable. Then write each phrase as an algebraic expression

3. 20 minutes faster than Jarod's time

$x + 20$

x = Jarod's time

4. Two thirds the amount of salt

x = amount of salt $\frac{2}{3}x$

Give an example of each of the following properties

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Solve each equation

9. $y + \frac{2}{3} = \frac{1}{6}$

$y + \frac{4}{6} = \frac{1}{6}$

$y + \frac{4}{6} - \frac{4}{6} = \frac{1}{6} - \frac{4}{6}$

$y = \frac{-3}{6} = \frac{-1}{2}$

10. $c - 24 = 75$

+24 +24

11. $14g = 238$

$\frac{}{14} \quad \frac{}{14}$

12. $41 = \frac{h}{13}$ · 13

c + r = total

13. Fred is making a bouquet of carnations and roses. The carnations cost $4.37 in all. The roses cost $1.34 each. How many roses did Fred use if the bouquet cost $12.41 in all?

$4.37 + $1.34x = $12.41