

Applied Algebra

Review Ch. 1

Test Tues. 1.1-1.4

Write an algebraic expression.

11. the product of 5 and n

$$5n \quad 5 \cdot n$$

12. the sum of 2 and three times x

$$3x + 2 = 2 + 3x$$

Write a verbal expression for each algebraic expression.

5

$$32 - b$$

b less than 32
difference of 32 and b

6

$$(y \div 4) + 9$$

9 more than the
quotient of y and 4

Write an equation for each sentence.

13. Six less than two times y equals 14.

$$2y - 6 = 14$$

19. Find the value of $3ac - b$ if $a = 6$, $b = 9$, and $c = 1$.

$\begin{matrix} \uparrow & \uparrow \\ 6 & 1 & 9 \end{matrix}$

$$3 \cdot 6 \cdot 1 - 9$$

$$18 - 9$$

$$9$$

~~$20 \times c$~~

Name the property shown by each statement. Then simplify.

20. $6 + (7 + b) = (6 + 7) + b$ assoc. $13 + b$

21. $2 \cdot c \cdot 10 = 2 \cdot 10 \cdot c$ comm $20 \cdot c = 20c$

Word bank...

Simplify each

26. $4(8 + y)$ $32 + 4y$

28. $10x + x$

$$10x + 1x = 11x$$

SGR p44 11-31 odd
12,14