1-1 Solving Linear Equations

Name:		Time> Start:	Finish: _	Total Time =
Solve a	nd check each equation.			
1.	3(x + 2) - 5x + 2 = 4(x + 2) + 24	Ļ	2.	5(x-2) - (3x-7) = 6(-2x+4)
3.	-2(3x-1) + 8x + 5 = -3x + 17		4.	5(4x-2) + 2(3x + 5) = 20x-7
Simpli	ŷ:			
5.	$a^2 \bullet a^4 =$		13.	$(ab^3) (4a^2b^2) = $
6.	$(a^3)^3 = $		14.	$(3x^5)(4x^7) = $
7.	$(2a^2b^3)^2 =$		15.	$2\mathbf{x} \bullet 3\mathbf{x} \bullet 2\mathbf{x}^2 \bullet 3\mathbf{x} = \underline{\qquad}$
8.	$a^5 \bullet a^4 =$		16.	(2abc) (-3abc) =
9.	$a^3 \bullet a^3 = $		17.	$(-4a^4b^{10})(-2a^4b^3) = _$
10.	$(3ab^2)(3ab) = $		18.	$(2a^4b^3c^2)^3 =$
11.	(-2a) (4a) =		19.	$(-3a^3b^5)^2 = $
12.	$a^3 \bullet b^3 \bullet a^4 \bullet b^5 = $		20.	$2ab \bullet -2ab = $

SAT Questions

21	If $2x + 4x + 6x = -12$, what is x?	22.	If $3x = 12$, then $5x = ?$
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23. If 5c + 3 = 3c + 5, what is the value of c?

If $x = \frac{2}{3}$ (x + y), which of the following is an expression for x in terms of y? A. $\frac{2}{3}y$ B. y C. $\frac{3}{2}y$ D. 2y E. 3y

25. If 2x - 1 = 9, what is 10x - 5? 26. If 2(x + 1) = 14, what is 3x?

27.

Let the lengths of the sides of a triangle be represented by x + 3, 2x - 3, and 3x - 5. If the perimeter of the triangle is 25, what is the length of the shortest side?

28.

In the figure below, if x is 150 more than y, what is the value of y?