

BE-1A WEDNESDAY 10-7-09

WRITE AN EQUATION for the problem, then solve and check your solution.

- ① A number decreased by 14 is -46. Find the number.

$$\begin{array}{ccccccc} & \downarrow & & \downarrow & & \downarrow & \downarrow & \downarrow \\ & N & & - & & 14 & = & -46 \\ & & & + & & 14 & & + 14 \end{array}$$

$$\boxed{N = -32}$$

$$\underline{\text{CK}} \quad N - 14 \stackrel{?}{=} -46$$

$$(-32) - 14 \stackrel{?}{=} -46$$

$$-46 \stackrel{?}{=} -46 \checkmark$$

• Practice Solving Equations.

Exam 2 Topics

Ch 1-2 Order of Operations $PE(MD)(AS)$

Ch 1-5 The Distributive Property 
including "like" terms.

Ch 1-8 Graphs.

Ch 2-2 Adding/Subtracting

SIGNS

- SSA, KSS
- DSS, EOW
- 

FRACTIONS

C.D.

2-3 Multiplying

• SPDN

TOPS • TOPS
BOT • BOT

2-4 Dividing

• SPDN

FLIP/multiply

Ch 2-6 Probability

#successes

#total

Ch 3-2 Single-Undo Equations Using Add/Subtract

3-3 Single-Undo Equations Using Mult./Divide

- ⇒ • GRE, UNDO to Get variable by itself
• Do checks!

1A - Exam 2 Practice

These problems are excellent practice for Exam 2 - the "end of quarter" exam.

① $16 \div 2 \cdot 5 \cdot 3 \div 6$

② $4 + 2(3^2 - 2^3) \div 2$

③ $a = 2, b = 5, x = 4, N = 10$

— Evaluate: $(2x)^2 + aN - 5b$

④ Simplify: $3(x + 2y) + 4(3x + y)$

⑤ Make a graph showing the approximate price of a gallon of gas in 2008.

⑥ Graph the following ordered pairs on an X-Y coordinate plane:

$$\{(2, 5), (1, -3), (-2, -4), (0, -6), (-5, 2)\}$$

⑦ Solve: $m + 6 = 2$

⑧ Solve: $x - (-46.1) = -3.673$

⑨ Solve: $x + \frac{3}{8} = \frac{1}{4}$

Practice / Homework: Study Hw 1 → 7, Quiz 1 → 7, Exam 1