TUESDAY, NOVEMBER 20, 2012

Agenda:

- · TISK Problems, No MM
- · Lesson 10-5: Solving for a Variable
- · Homework: p. 521 #23-29 odd & 34-36 all

TISK Problems

- 1) Simplify: -23 15
- 2) Solve for x: 5x 25 = 03) What is the probability of rolling doubles on a pair of six-sided dice?

Homework Check

1) Solve
$$\ell_1 + \ell_2 + \ell_3 = P$$
 for ℓ_2

$$-\ell_1 - \ell_3 - \ell_1 - \ell_3$$

$$\ell_2 = P - \ell_1 - \ell_3$$

Homework Check

2. Solve
$$\ell_1 + \ell_2 + \ell_3 = P$$
 for ℓ_1

$$- \ell_2 - \ell_3 - \ell_3 - \ell_3 - \ell_3$$

$$\ell_1 = P - \ell_3 - \ell_3$$

Homework Check

3. Solve
$$A - B + 2 = C$$
 for A .

+B-2 +B-2

Homework Check

4. Solve
$$A - B + 2 = C$$
 for B .
 $A + B + 2 = C$ for B .
 $A + A = B + C$
 $C - C$

When the variable you're solving for is negative, add it to both sides of the equation to Start.

Homework Check

5. Solve $A = \left(\frac{1}{2}d_1d_2\right)$ for d_1 .

$$\frac{2A}{d_2} = \frac{d_1 d_2}{d_2}$$

$$\frac{2A}{d_2} = d_1$$

Homework Check

6. Solve
$$a^2 + b^2 = c^2$$
 for b .

$$-a^2 - a^2$$

$$b^2 = c^2 - a^2$$

$$b^2 = \sqrt{c^2 - a^2}$$
of squaring, therefore it is the save step in the order of operations.

$$b = \pm \sqrt{c^2 - a^2}$$

Homework Check

7. Solve
$$S = \frac{(n-2)180}{180^7}$$
 for n .

$$\frac{S}{100} = N - 2$$

$$+2$$

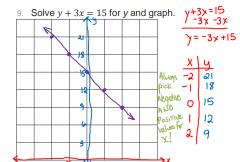
$$\frac{s}{180} + 2 = n$$

Homework Check

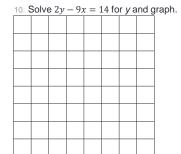
8. Solve
$$F = \frac{9}{5}C + 32$$
 for C .

$$\frac{5}{9}(F-32) = C$$

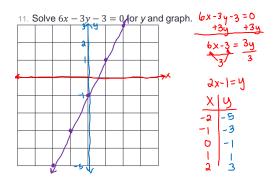
Homework Check



Homework Check



Homework Check



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- Treat all the other variables like numbers.
- Isolate the variable you're solving for.
