

Pg. 79 Written: 1, 5, 9, 11 - 27 odd

$$1) x + 5 = 15$$

$$15) n + 15 = 36 \quad 25)$$

$$5) 2x - 6 = 14$$

$$17) \frac{n}{6} = 18$$

$$25) 16(4-2) = 270$$

$$9) x - 7 = 23$$

$$19) 2n - 10 = 26$$

$$27) 23 + 0.14x = 55$$

$$11) n - 4 = 70$$

$$21) n + 26 = 3n$$

$$13) 8n = 88$$

$$23) 2w + 4w = 60$$

# 3.3 Solving

Dec. 14, 2006

## Equations w/ Addition & Subtraction

ex1)  $x + 4 = 10$

$-4 \quad -4$

$x = 6$

\*to solve: our goal is to get the variable by itself

Rotten Kid Th<sup>m</sup> :

what ever you do to one side ...

You Must Do to the other

ex2 |  $y - 4 = 1$   
 $+4$     $+4$

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$y = 5$

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## 3.4 Solving Equations w/ Multiplication and Division

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ex 1)  $\frac{4x}{4} = \frac{36}{4}$

$$\underline{\underline{x = 9}}$$

$$\cancel{\frac{1}{7} \cdot \frac{Y}{7} = 3} \cdot 7$$

$$\underline{\underline{Y = 21}}$$

ex3)  $3 \cdot \frac{2x}{3} = 32 \cdot 3$

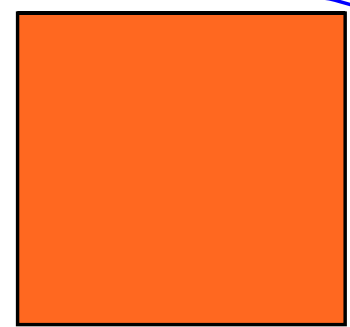
$$\frac{2x}{2} = \frac{96}{2}$$

$$\underline{\underline{x = 48}}$$

$\frac{2}{2} \cdot \frac{2}{3} x = \frac{16}{32} \cdot \frac{3}{2}$

$$\underline{\underline{x = 48}}$$

x multiply by  $\frac{2}{3}$   
the opp. is  
to divide by  $\frac{2}{3}$   
 $\div \frac{2}{3} \Rightarrow \cdot \frac{3}{2}$



ex 4

$$\cancel{-7}x = \frac{22}{\cancel{-7}}$$

$$x = \frac{-22}{7}$$

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O.T.L.

① pg 82: written

1-45 (every other  
odd)

1, 5, 9, 13, 17, 21, ...

② pg 86 written:

2<sup>nd</sup> Col.

2, 6, 10, 14, 18, 22,

3<sup>rd</sup> Col

27, 31, 35, 39

③ Challenge: 1+2

④ Notebooks Due Mond+