

Algebra 2

FRIDAY 3-8-13  
Happy Birthday MYKA

CLASS NOTES

$$\textcircled{1} \quad \frac{3x}{2} + 16 = 10 \quad x = ?$$

$$x = -4$$

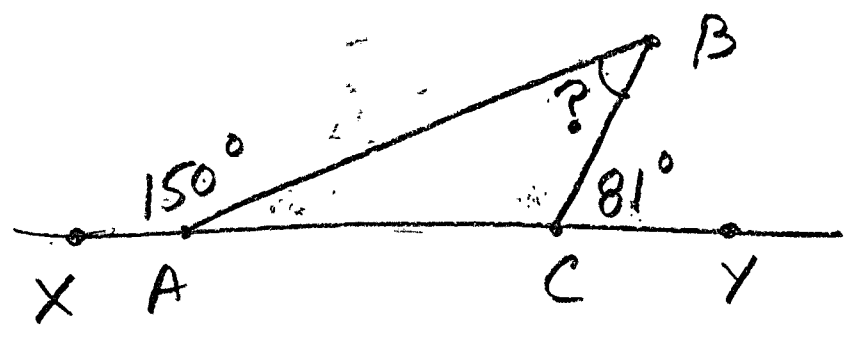
$\textcircled{2}$  Bowl  $\Rightarrow$  100 jelly beans  
36 blue, 22 green, 42 red.  
Prob. of drawing a bean  
that is NOT red.

$$\frac{\text{success}}{\text{total}} = \frac{58}{100} = \frac{29}{50}$$

$$\begin{aligned} \textcircled{3} \quad 3.6x + 7.99 &= 1.03 - 2.4x \\ &\quad - 7.99 \\ 6x &= -6.96 \end{aligned}$$

$$x = -1.16$$

④



$$\boxed{51^\circ}$$

⑤  $x^2 - 16 = 6x$

$$x^2 - 6x - 16 = 0$$

sum = -6

prod = -16

+2 -8

$$(x+2)(x-8) = 0$$

$$\boxed{x = -2, 8}$$

⑥  $|6-4| - |3-7| = ?$

$$2 - 4 = \boxed{-2}$$

- ⑦ Shoes  $\Rightarrow$  \$ 70  
 20% discount  
 6% sale tax on discount price  
 FINAL COST?
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$$\begin{array}{r} 56 \\ \underline{.06} \\ 3.36 \end{array} \quad \begin{array}{r} \$ \\ \therefore \\ \therefore \end{array} \boxed{59.36}$$


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- ⑧ 10% of 72.80 = 7.28  
 1% of 72.80 = .728 = .73  
 5% of 72.80 = 3.64

$$\textcircled{8} \quad X^2 y^3 - X y^2 + X$$

$$X = -3 \quad y = 2$$


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$$(-3)^2 (2)^3 - (-3)(2)^2 + (-3)$$

$$9(8) + 12 - 3 = \boxed{81}$$

$\textcircled{9}$  toy CAR, constant rate = 11 inches every 5 seconds.  
 How many feet in 2 minutes?

$$132 \frac{\text{in.}}{\text{min}} = \frac{264}{12} = \boxed{22 \text{ ft}}$$