

Algebra TUES. 3-5-13 CLASS NOTES

4/12

$$\textcircled{6} \quad |6-4| - |3-7| = ?$$

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

---

⑦ Shoes cost \$70.

20% discount.

6% tax on discount price.

Cost = ?

$$\text{Disc. Price} = \$56.$$

$$\begin{array}{r} .06 \\ \hline 3.36 \end{array}$$

$$\therefore \boxed{\$59.36}$$

$$4/12 \quad \textcircled{8} \quad X^2 y^3 - X y^2 + X, \quad X = -3$$

$$y = 2$$

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

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

⑨ toy car  $\Rightarrow$  11 inches every 5 sec  
How many feet in 2 minutes?

$$12 \cdot 11 \frac{\text{in}}{\text{min}} = 132 \frac{\text{in}}{\text{min}} \cdot 2 = 264 \frac{\text{in}}{2 \text{ min}}$$

$$\frac{264}{12} = \boxed{22 \text{ FEET in 2 min}}$$

(12) CAKE w/ frosting

$\frac{1}{8}$  TEASPOON of VANILLA EXTRACT, CAKE

$\frac{3}{4}$  " " " " , frosting

TO MAKE 2 CAKES WITH frosting by doubling this recipe, how many teaspoons of VANILLA EXTRACT?

$$2 \left( \frac{1}{8} + \frac{3}{4} \right) = \frac{2}{8} + \frac{6}{4}$$

$$= \boxed{\frac{7}{4} = 1 \frac{3}{4}}$$

(16)  $f(x) = x^2 - x + 1$      $f(-3) = ?$

$$f(-3) = (-3)^2 - (-3) + 1$$

$$9 + 3 + 1 = \boxed{13} \checkmark$$

(21)

$$\frac{a^5 b^3 c^4}{5a^2 b^7 c}$$

$$\frac{a^3 c^3}{5b^4}$$

(26)  $2x + 3y - 1 = 0$  slope = ?

$$y = mx + b$$

$$\frac{3y}{3} = \frac{-2x + 1}{3}$$

$$y = -\frac{2}{3}x + \frac{1}{3}$$

$$\textcircled{27} (2x^2 + x + 3) + (2x + 1) + (3x - 1) - (2x + 2x + 2x)$$

---


$$2x^2 + \cancel{6x} + 3 - \cancel{6x}$$

$$\boxed{2x^2 + 3}$$

---


$$\textcircled{Ex} \quad | -4 + 6 | - | 8 - 12 |$$

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


---