$$
\begin{aligned}
& 9-12-13 \\
& 3^{\prime 2} \text { Triy }
\end{aligned}
$$

Ch. 1 PT 2
(4)

$$
\begin{gathered}
4(x-2)-3(x-2)=-10 \\
4 x-8-3 x+6=-10 \\
x-2=-10 \\
+2+2 \\
x=-8
\end{gathered}
$$

$$
\begin{array}{r}
\text { Simpl:fy } \quad(x+5)^{2} \\
(x+5)(x+5) \\
x^{2}+5 x+5 x+25 \\
x^{2}+10 x+25
\end{array}
$$

(40) $\begin{aligned} & \left(-2 a^{-5}\right)^{2} \\ & \left(\frac{-2}{a^{5}}\right)^{\text {clean up }} \cdot \frac{-2}{a^{5}} \cdot \frac{-2}{a^{5}}=\frac{4}{a^{10}}\end{aligned}$

$$
\begin{aligned}
& (45) \\
& \left(2^{5} \times 2^{3}\right)^{9} \\
& (2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2)^{9}\left(a^{8}\right)^{9} \\
& \left(2^{8}\right)^{9} \\
& 2^{72}
\end{aligned}
$$

$$
\begin{aligned}
& \text { (41) } \underbrace{\left(2 m a^{2} d^{-1} i\right)^{-3}}_{\text {clean up }} \\
& \left(\frac{2 m a^{2} i}{d}\right)^{-1 \cdot 3} \\
& \left(\frac{d}{2 m a^{2} i}\right)^{3} \\
& \frac{d}{2 m a^{2} i} \cdot \frac{d}{2 m a^{4} i} \cdot \frac{d}{2 m m^{2} i}=\frac{d^{3}}{8 m^{3} a^{6} i^{3}}
\end{aligned}
$$

(46)
(8)

$$
\frac{n^{2} y^{2}}{10 n^{2} y^{2}+2 n^{3} y}+n^{2} y n^{2}+n^{3} y
$$

$$
\begin{aligned}
& \text { (29) } \sqrt[4]{16 x^{4} y^{8}} \\
& \sqrt[4]{2 \cdot 2 \cdot 2 \cdot \sigma x x x x y y y y y y} \\
& 2 x y y=2 x y^{2}
\end{aligned}
$$

(44)

$$
\begin{array}{lr}
\frac{10 \pm \sqrt{200}}{10} & \begin{array}{r}
\sqrt{200}=\sqrt{2.2 .5 \cdot 5} \\
2 \cdot 5 \sqrt{2} \\
10 \sqrt{2}
\end{array} \\
\frac{10 \pm 10 \sqrt{2}}{10} & \\
1 \pm \sqrt{2} &
\end{array}
$$

(27) $\sqrt{-800}$

$$
\begin{aligned}
& \sqrt{-1 \cdot 2 \cdot 2 \cdot 222 \cdot 5 \cdot 5} \\
& 88^{800} 100 \quad 2 \cdot 2 \cdot \sqrt{2} \\
& \text { (2)(2) (2) } \overbrace{(5)}^{10} 10 \text { (s) } 20 i \sqrt{2}
\end{aligned}
$$

(New) Simplify $2(2 n-1)-(3 n-6)$

$$
\begin{aligned}
& 4 n-2-3 n+6 \\
& n+4
\end{aligned}
$$

(new) $(n+1)(n+1)(n+1)$

$$
(n+1)\left(n^{2}+2 n+1\right)
$$

$$
4^{\text {a. }} \frac{9-12-13}{T r i s}
$$

NeW

$$
\begin{aligned}
& (n+5)^{2} \\
& (n+5)(n+5) \\
& n^{2}+5 n+5 n+25 \\
& n^{2}+10 n+25
\end{aligned}
$$

$$
\begin{aligned}
& \frac{(n+1)(n+1)(n+1)}{n^{2}+n+n+1} \\
& \left(n^{2}+2 n+1\right)(n+1) \\
& n^{3}+n^{2}+2 n^{2}+2 n+n+1 \\
& n^{3}+3 n^{2}+3 n+1
\end{aligned}
$$

Ch. 1 PT 2 Questions


$$
\begin{gathered}
\left(\frac{2 m a^{2} i}{d}\right)^{-1 \cdot 3} \\
\left(\frac{d}{2 m a^{2} i}\right)^{3} \\
\frac{d}{2 m a^{2} i} \cdot \frac{d}{2 m a^{2} i} \cdot \frac{d}{2 m a^{2} i}=\frac{d^{3}}{8 m^{3} a^{6 \cdot 3}}
\end{gathered}
$$

(46) What is $1000^{29}$ disit

$$
\begin{aligned}
& \text { in } \begin{array}{r}
.2345678 \\
1234567 \\
891011121318 \\
15151
\end{array} \\
& 15161711192021 \\
& \begin{array}{l}
28 \\
38 \\
48
\end{array} \\
& \frac{1000}{7}=142.85 \cdots .99 \\
& 142 \times 7=994
\end{aligned}
$$

(37)

$$
\begin{aligned}
& \frac{c^{3} w^{-5} h^{-1}}{c^{-1} w^{2} h} \\
& \frac{c^{3} c}{w^{5} w^{2} h h} \\
& \frac{c^{4}}{w^{7} h^{2}}
\end{aligned}
$$

(13)

$$
\begin{aligned}
& \left(2 n^{2} y^{3}\right)^{2}+3 n\left(n^{4}\right) y^{6} \\
& 2 n^{2} y^{3} \cdot 2 n^{2} y^{3}+3 n n n n n y^{6} \\
& 4 n^{4} y^{6}+3 n^{5} y^{6}
\end{aligned}
$$

(36)

$$
\begin{aligned}
& n^{-30} \cdot y^{50} \cdot n^{-20} \cdot y^{-30} \\
& \frac{y^{50}}{n^{30} n^{20} y^{30}}=\frac{y^{20}}{n^{50}}
\end{aligned}
$$

(New) Which disyit in

(vew) $(3 n+1)\left(5 n^{2}+2 n+10\right)$

$$
\begin{aligned}
& 15 n^{3}+6 n^{2}+30 n+5 n^{2}+2 n+10 \\
& 15 n^{3}+11 n^{2}+32 n+10
\end{aligned}
$$

(New)

$$
\begin{aligned}
& \frac{(n+3)^{2}}{(n+3)(n+3)} \\
& n^{2}+3 n+3 n+9 \\
& n^{2}+6 n+9
\end{aligned}
$$

