p. 674) 34-42 even, 46-48

$$39 \pm 4$$
 $36 - 3.65, 1.65$ $38 - 5.61, 1.61$ 40 ± 0.77

$$40 \pm 0.77$$

$$(42-18,-8)$$

$$49-18,-8$$
 46 1995 47 1993 48° h = -16t² + 45t + 2.5

SQUARE POOT METHOD
$$-\frac{2x^2}{-2} = -\frac{32}{-2}$$

$$x = 16$$

30 QVAD FORMULA

$$X^{2} + 2X - G = 0$$

 $a = 1 \ b = 2 \ C = -G$
 $X = -2 \pm \sqrt{2^{2} - 4(1X - G)}$
 $X = -2 \pm \sqrt{28}$
 $X = -3.65, 1.65$

42 SQUAPE POOT
$$\int (X+13)^{2} = \sqrt{25}$$

$$X+13 = \pm 5$$

$$-13 - 13$$

$$X = -13 \pm 5$$

$$X = -18, -8$$

$$X = \frac{1}{5}$$

 $X = \pm \sqrt{\frac{3}{5}} \approx \pm 0.77$

$$46 | 64 = 0.93 \times^{2} + 2.2 \times + | 30$$

$$-| 64 = 0.93 \times^{2} + 2.2 \times - | 34$$

$$a = .93 \qquad b = 2.2 \qquad c = -34$$

$$X = -\frac{2 \cdot 2 \div \sqrt{(2 \cdot 2)^2 - 4(93)(-34)}}{2(.93)}$$

$$X = -2.2 \pm \sqrt{131.32}$$
 % -834, 4.98
1.86 neg. years

$$X = 4.3 \pm \sqrt{(-4.3)^2 - 4(0.7)(-0.5)}$$

$$2(0.7)$$

$$X = 4.3 \pm \sqrt{47.89}$$

$$\begin{array}{c} 48 \text{ a) } h = -16t^2 + \text{V.t} + \text{h.} \\ h = -16t^2 + 45t + 2.5 \end{array}$$

b)
$$5.5 = -16t^2 + 45t + 2.5$$

 -5.5
 $0 = -16t^2 + 45t - 3$
 $a = -16$ $b = 45$ $c = -3$

$$t = -45 \pm \sqrt{45^2 - 4(-16)(-3)}$$

$$t = -45 \pm \sqrt{1833} \times .07, 2.745$$

