References answer for chapter 1

1.1

Exercise19: y=5000

Exercise21: x=6

Exercise25: w=-16.5

Exercise27: y=-54

Exercise29: n=41

Exercise39 contradiction

Exercise42 identity

Exercise44 conditional equation. y=2

Exercise47: x≠1.5，x≠0，x≠3

Exercise55 t=2

Exercise65 x=-$\frac{6}{13}$

Exercise90 z=-$\frac{11}{13}$

Exercise100 y=1

1.3

Exercise7 7$\sqrt{2}$i

Exercise13 -6

Exercise20 3

Exercise31 2+2$\sqrt{3}$i

Exercise40 -2+$\sqrt{5}$i

Exercise42 a.1 b.-I c.-1 d.i

Exercise56 -20+24i

Exercise58 -$\sqrt{10}$+$\sqrt{26}$i

Exercise63 17-$\sqrt{5}i$

Exercise65 -11-7i

Exercise81 $\frac{94}{173}$-$\frac{81}{173}$i

Exercise88 $\frac{\sqrt{22}}{11}$i

Exercise103 a^2+b^2

1.4

Exercise9 n=3 n=-8

Exercise18 n=7 n=-5

Exercise23 u=4i u=-4i

Exercise28 c=10 c=-4

Exercise33 n=169

Exercise37 m=1/81

Exercise41 t=4+2$\sqrt{2}$i t=4-2$\sqrt{2}$i

Exercise50 x=3/8+$\sqrt{137}$/8 x=3/8-$\sqrt{137}$/8

Exercise63 x=0.5 x=-0.3

Exercise66 x=(2/11)i x=-(2/11)i

Exercise75 linear x=1

Exercise77 neither

Exercise83 x=7+$\sqrt{55}$ x+7-$\sqrt{55}$

Exercise95 x=$\sqrt[4]{5}$ x=-$\sqrt[4]{5}$

Exercise101 a.121 b.2 real roots

Exercise115 t=$\frac{-v_0+\sqrt{v_0^2+2as}}{a}$ t=$\frac{-v_0-\sqrt{v_0^2+2as}}{a}$

1.5

Exercise25 x=12ft base=9ft height=12ft

Exercise29 a 6ft,8ft,10ft b.44ft^2

Exercise37 a.235ft b.62mph