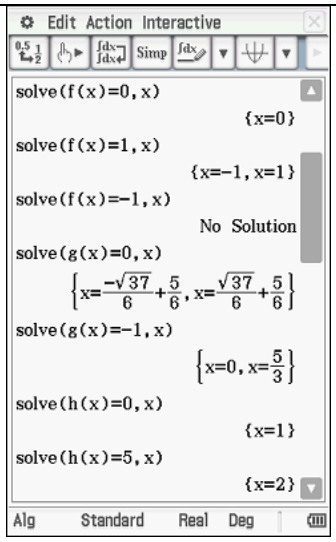
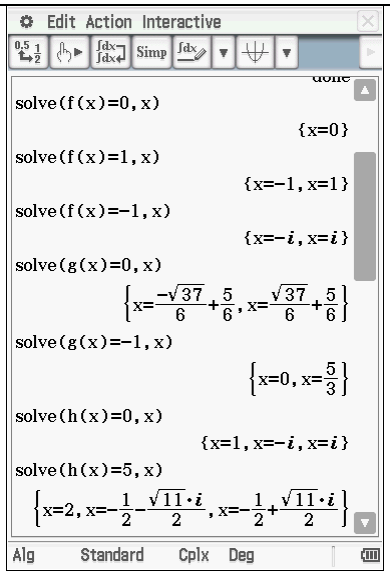
Activity 37 Complex solutions

1.

Equation	ClassPad in Real mode	ClassPad in Complex mode
a) $f(x)=1$	$x=0$	$x=0$
b) $f(x)=-1$	$x=\pm1$	$x=\pm1$
c) $g(x)=0$	No solution	$x=\pm i$
d) $g(x)=-1$	$x=\frac{5\pm\sqrt{37}}{6}$	$x=\frac{5\pm\sqrt{37}}{6}$
e) $h(x)=0$	$x=1$	$x=1,\ x=\pm i$
f) $h(x)=5$	$x=2$	$x=2, x=-\frac{1}{2}\pm\frac{\sqrt{11}i}{2}$





2.

a) $x=\pm\sqrt{5}i$

b) $x=\frac{2\pm\sqrt{14}i}{3}$

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