

1.a

0.53, 0.16, Undefined, -0.41, -0.59

1.b

-0.16

1.c

$\Delta u = 0.1$

2.a

-0.88, -0.97, Undefined, -0.97, 0.88

2.b

-1.0

2.c

$\Delta u = 0.46$

3.a

-0.59, -0.41, undefined, 0.16, 0.53

3.b

-0.16

3.c

$\Delta u = 0.32$