Chapter 3 – Correct answers

Problem 1.

a) B.
b) C.
c) C.
d) B.

Problem 2.

A.

Problem 3.

D and E.

Problem 4.

a) No.
b)
c) 10.4 m
d) See solution document for sketch.

Problem 5.

B and H.

Problem 6.

B.

Problem 7.

A, D and E.

Problem 8.

G.

Problem 9.

a) See solution document for sketch.
b) 57.5 s

Problem 10.

D.

Problem 11.

70.7% of the time.

Problem 12.

    a) $v = \sqrt{2gR}$

    b) $v = \sqrt{gR}$