M1. (a) use of $z = v/c$

to give $v = zc = 0.057 \times 3 \times 10^8$ ✓

$= 1.71 \times 10^7 \, ms^{-1} = 1.71 \times 10^4 \, kms^{-1}$

use of $v = Hd$

to give $d = v/H = 1.71 \times 10^4 / 65$ ✓

$= 263$ ✓ Mpc ✓

4

(b) (Strong) radio sources ✓

1

[5]