QUESTION 1.5
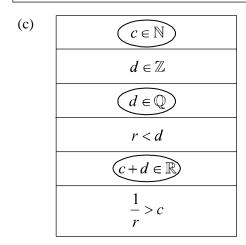
(a) $r = 0.01924$ *(A1)*   *(C1)*

> **Note:** Accept 0.0192 and 0.019

(b) $r = 1.924 \times 10^{-2}$ *(A1)*(ft)*(A1)*(ft)   *(C2)*

> **Notes:** Award *(A1)* for 1.924, *(A1)* for 10^{-2}
> Accept 1.92 and 1.9
> Follow through from their part (a).

(c)

$\boxed{c \in \mathbb{N}}$ (circled)
$d \in \mathbb{Z}$
$d \in \mathbb{Q}$ (circled)
$r < d$
$c + d \in \mathbb{R}$ (circled)
$\dfrac{1}{r} > c$

                                               (A1)(A1)(A1)   *(C3)*

> **Notes:** Award *(A1)* for each true statement circled.
> Do not follow through from part (a).
> Award *(A1)(A1)(A0)* if 1 extra term seen.
> Award *(A1)(A0)(A0)* if 2 extra terms seen.
> Award *(A0)(A0)(A0)* if all terms circled.
> Accept other indications of the correct statements i.e. highlighted or ticks.

[6 marks]