

- 1 (a) Here is a list of numbers.

2 4 5 8 9 12

Write down **all** the numbers from this list which are

- (i) odd,

Answer(a)(i) 5 , 9 [1]

- (ii) square,

Answer(a)(ii) 4 , 9 [1]

- (iii) cube,

Answer(a)(iii) 8 [1]

- (iv) prime.

Answer(a)(iv) 2 , 5 [1]

- (b) Write one of these symbols $>$, $<$ or $=$ to make each statement true.

$$\pi \dots\dots < \dots\dots \frac{22}{7}$$

$$(\sqrt{2})^2 \dots\dots = \dots\dots 2$$

$$\frac{1}{1+1} \dots\dots < \dots\dots 2$$

$$(-1)^2 \dots\dots > \dots\dots -1$$

[2]

- (c) Put one pair of brackets in each statement to make it true.

(i) $(16 + 8) \div 4 - 2 = 4$ [1]

(ii) $16 + 8 \div (4 - 2) = 20$ [1]