Squares and Square Roots Ex 3.2 Q1

Answer :

A number ending with 2, 3, 7 or 8 cannot be a perfect square.
(i) Its last digit is 7. Hence, 1547 cannot be a perfect square.
(ii) Its last digit is 3. Hence, 45743 cannot be a perfect square.
(iii) Its last digit is 8. Hence, 8948 cannot be a perfect square.
(iv) Its last digit is 3. Hence, 333333 cannot be a perfect square.

Squares and Square Roots Ex 3.2 Q2

Answer :

A number ending with 2, 3, 7 or 8 cannot be a perfect square.
(i) Its last digit is 7. Hence, 9327 is not a perfect square.
(ii) Its last digit is 8. Hence, 4058 is not a perfect square.
(iii) Its last digit is 3. Hence, 22453 is not a perfect square.
(iv) Its last digit is 2. Hence, 743522 is not a perfect square.

Squares and Square Roots Ex 3.2 Q3

Answer :

The square of an odd number is always odd.
(i) 731 is an odd number. Hence, its square will be an odd number.
(ii) 3456 is an even number. Hence, its square will not be an odd number.
(iii) 5559 is an odd number. Hence, its square will not be an odd number.
(iv) 42008 is an even number. Hence, its square will not be an odd number.

Hence, only the squares of 731 and 5559 will be odd numbers.

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