1 Between which of the following pairs of numbers, can an irrational number be found?
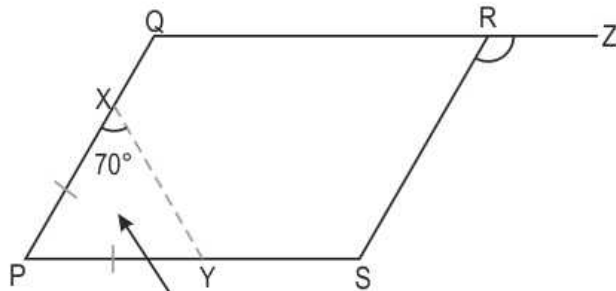
| **pair 1:** 1 and 2 | **pair 2:** √2 and √3 | **pair 3:** √5 and √7 |

A. only pair 3
B. only pairs 1 and 3
C. only pairs 2 and 3
D. all - pairs 1, 2 and 3

2 Shown below is a parallelogram PQRS. △PXY is isosceles with PX = PY.
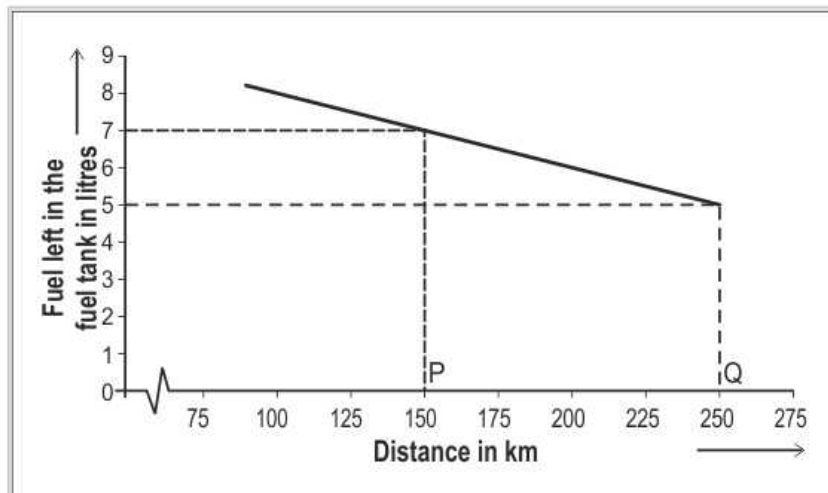

What is the measure of ∠SRZ?

PXY is an isosceles triangle

A. 40°
B. 70°
C. 110°
D. 140°

3 The graph below shows the amount of fuel left in the fuel tank as the distance travelled by a motorcycle changes.
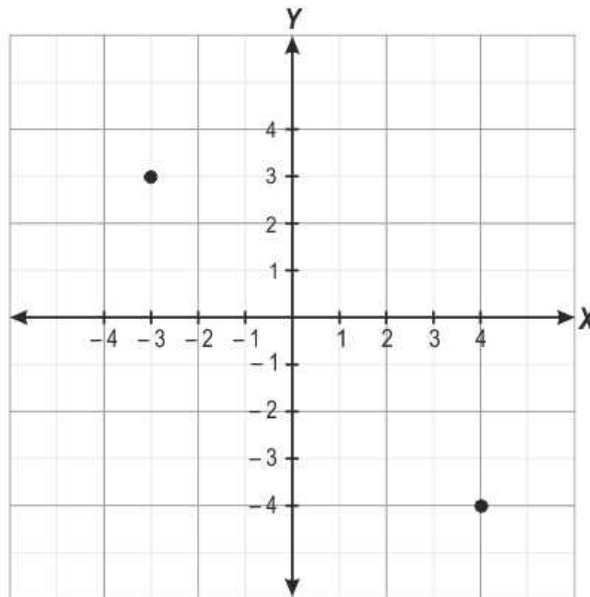

Roughly how many litres of fuel are left in the fuel tank when the motorcycle has travelled a distance of 450 km? (Note: Assume that the rate of fuel consumption per km remains the same throughout.)

A. 1 L

B. 2L

C. 3L

D. 4L

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4 Two of the opposite vertices of a square have the coordinates (4, –4) and (–3, 3) respectively as shown on the grid below.

Which of the following are the coordinates of the OTHER two vertices of the square?

A. (–4, –3) and (3, 4)

B. (–4, –3) and (4, 3)

C. (–3, –4) and (3, 4)

D. (–3, –4) and (4, 3)

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1 D   **2** D   **3** A   **4** D