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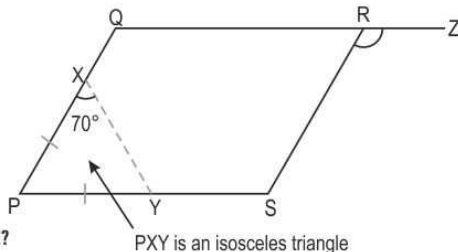
| **pair 1:** 1 and 2 | **pair 2:** $\sqrt{2}$ and $\sqrt{3}$ | **pair 3:** $\sqrt{5}$ and $\sqrt{7}$ |

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

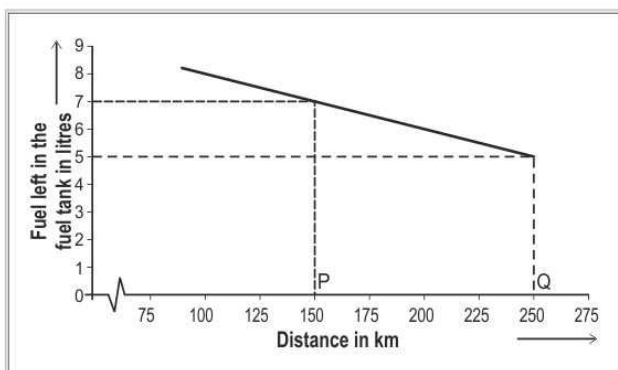**2** Shown below is a parallelogram PQRS. ∆PXY is isosceles with PX = PY.

PXY is an isosceles triangle

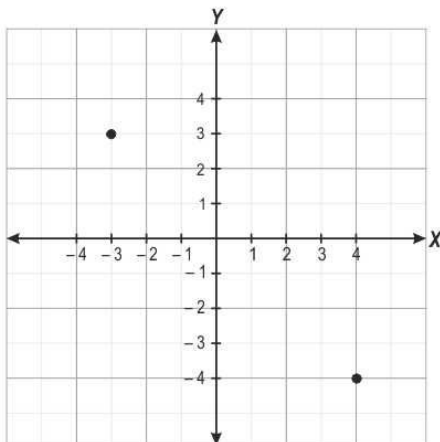What is the measure of ∠SRZ?

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. 2 L
C. 3 L
D. 4 L

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)