

Answer on Question # 41652– Math - Geometry

Suppose point j has coordinate of -2 and $jk=4$ then what is the possible coordinate(s) for k? a)4, b)2 or -4, c)-4, d) 2 or -6

Solution:

Since, $jk=|j-k|$, then

$$|-2-k| = 4,$$

$$|2+k| = 4$$

$$2+k = 4 \text{ or } 2+k = -4$$

$$k = 2 \text{ or } k = -6.$$

Answer: d) 2 or -6.