#02 SA :Slope

Total points 5/5 ?

Name *

....

Section *

✓ * 1/1

If the points $A(-2, 3)$, $B(1, 2)$ and $C(k, 0)$ are collinear, then $k =$?

○ 5

○ 6

◉ 7 ✓

○ 8

✓ *

If the line AB with $A(-2, 6)$ and $B(4, 8)$ is perpendicular to the line CD with $C(8, 12)$ and $D(x, 24)$, then $x =$?

- ◉ 4 ✓
- ○ -4
- ○ 6
- ○ -6

✓ *

If $A(3, x)$, $B(2, 7)$, $C(-1, 4)$ and $D(0, 6)$ are the points such that $AB \| CD$, then $x =$?

- ○ 6
- ○ 8
- ◉ 9 ✓
- ○ 12

✓ *

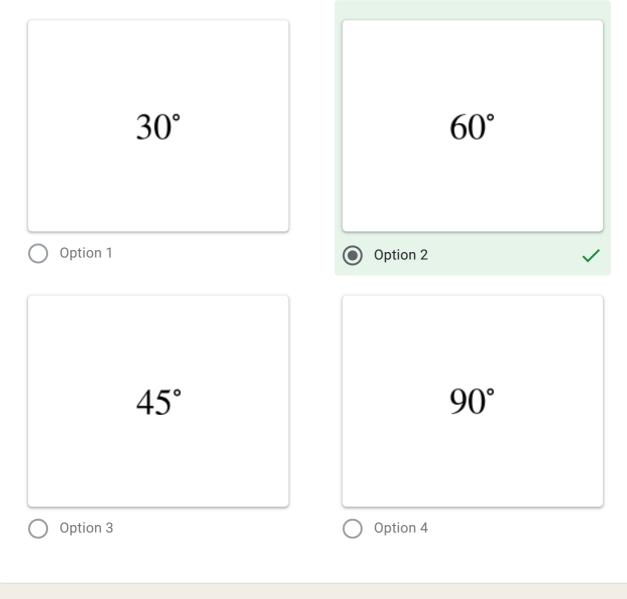If $A(-2, 6)$, $B(4, x)$, $C(3, -3)$ and $D(5, -9)$ are the points such that AB is perpendicular to CD, then $x =$?

- ○ 9
- ◉ 8 ✓
- ○ 7

○ 6

A line passes through the points $A(1, \sqrt{3})$ and $B(\sqrt{2}, \sqrt{6})$. The angle which AB makes with the x -axis is

$30°$

○ Option 1

$60°$

◉ Option 2   ✓

$45°$

○ Option 3

$90°$

○ Option 4

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