edX

Question 2
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The table below shows several points for the function C = f(h), where C is the cost (in dollars) for a band of 4 members to play at a wedding, based on the number of hours, h, they perform.

C	140	280	420	560
h	0	2	4	6

problem

1/1 point (graded)
2a. Which variable is the **independent** variable?

○ C

◉ h ✔

Submit	You have used 1 of 1 attempt

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problem

1/1 point (graded)
2b. Identify the **y-intercept** for this function.

● 140 ✔

○ 280

○ 420

○ Unknown

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problem

1/1 point (graded)
2c. How much does the band charge **per hour** that they perform?

○ $35

● $70 ✔

○ $100

○ $140

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problem

1/1 point (graded)

2d. If each member of the band earned $175 for the night and profits were split evenly among them, how many hours did the band perform?

○ 1 hour

○ 2.5 hours

○ 6 hours

⦿ 8 hours ✔

Submit   You have used 1 of 1 attempt