

| (33) | Name: | | | | | | | | | | | |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| | School: | | | | | | | | | | | |
| EMG Education | Date: | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Graphs and Linear Equations | | | | | | | | | | | | |
| A) Vocabulary activity - Fill in the gap | s with the correct missing word | | | | | | | | | | | |
| Origin: The point where thear | ndmeet (0,0). | | | | | | | | | | | |
| | Quadrants are numbered from the top right, going | | | | | | | | | | | |
| · | | | | | | | | | | | | |
| | eft to right. Numbers on the left side of the origin (0,0) | | | | | | | | | | | |
| will havex coordinates. | | | | | | | | | | | | |
| | n top to bottom. Numbers above the origin (0,0) will | | | | | | | | | | | |
| have positive y coordinates. | 7 | | | | | | | | | | | |
| Ordered Pair: A pair of(x, | y) which refers to a specific point on a graph. | | | | | | | | | | | |
| | | | | | | | | | | | | |
| B) Using the linear equations provide | d: | | | | | | | | | | | |
| I. Create a six-point data table | | | | | | | | | | | | |
| II. List six ordered pairs (or pairs of | | | | | | | | | | | | |
| III. Graph the points on a coordinateIV. Sketch the line of best fit. | plane. | | | | | | | | | | | |
| V. Using the endpoints calculate the | | | | | | | | | | | | |
| VI. Using the endpoints, identify the | midpoint. | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 1. y = x + 4 | | | | | | | | | | | | |
| I. Create a table. | | | | | | | | | | | | |
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II. List six coordinate pairs.

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|----|-------|------|-------------------------------------------|----------|------|------------|------------------|------------|----------------|-----------|------|------|----------|------------|----|------------|
| | | | on t | | | | | he o | | | | pia | nei | | 00 | ow. |
| | | s | 24 | | - 13 | 24 | 2-30 | - (q 2) | 0-18 | 36-5 | -22 | - | 12 - 5 | | _ | |
| | | | 85 82 | | | 83. 83. | | | | | - 22 | | | - 73 | | |
| | | | 8 | | | eż | | | | | - 33 | | 27-57 | - 33 | - | |
| | | 8 | in an | | | 2 | | - 10 - 5 | 9 19 9 49 | 3-3 | -55 | - 0 | | - 55 | | |
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| | | 8-33 | 24 | | - 63 | 24 | - | - (a) - 20 | 0-3 | | | - 0 | 32 - 5 | | _ | + |
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| | | 8 | 22 | | | 22 | | | i) i | - 12 - 53 | - 52 | | | - 22 | | |
| | | | 94 83 | | | 94 05 | | 10 10 | 0 - 2 0 - 0 | | 2 | | 12 13 | - 2 - 2 | _ | |
| | IV. S | | | | | | | | | 4 4 | | | <u>.</u> | | _ | |
| | | Gra | dien | t = | | | | | | | | i th | e m | nidį | ро | point (M). |
| 2. | y = | | | | | | | | | | | | | | | |
| | I. (| Crea | ate a | a ta | ble | • | | | | / | | | | | | |
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| | L | | | | | | | Y | | | | | | | | |
| | II. I | _ist | six | 000 | rdir | nate | e pa | irs | | | | | | | | |
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| | Graph t | ha nair | nte on | the c | oordina | ita nl | ano | holo | A/ | | |
|------------------------|-------------------------------------------------------|-------------------------------------------|----------------------------|------------------------------|---------------------|--------|------|-------|-------------|---|----|
| III. V | Graph t | | | | | | | | /v. | | |
| | | | | | | 2 | | | | | |
| | § <u>6 - 18 - 18 -</u> | | | () | <u>e e de la co</u> | 20 | _ | - 23 | <u>15.0</u> | | |
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| | | | - 2 - 3 - 3 | | | - 5 | | 55 | | | |
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| | 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - | | S 2 3 | | | 2 | | | | V | |
| VI. I | Identify | the en | dpoint | s (A a | and B) | and t | he r | nidpo | oint (M). | | |
| Usir | B M | tables | | video | | | | | | | |
| | M ng the | | | | | | | | | | |
| . (. . (| Μ | a linea six coo ne poir | r equa ordina nts on | ition. te pai a coc | rs. | e plar | ne. | | | | |
| . (. . (| M ng the Create a List the Graph t | a linea six coo ne poir | r equa ordina nts on | ition. te pai a coc | rs. | e plar | ne. | | | | |
| . (. . (| M ng the Create a List the Graph t | a linea six coo ne poil the line | r equa ordina nts on | ition. te pai a coc | rs. | e plar | ne. | | 6 | 8 | 10 |

| I. List the six | coordinate p | airs. | | | | |
|-----------------|------------------|-------------------|---------------|----|-----|-----|
| | | | | | | |
| II. Graph the | points on the | coordinate | e plane below | 1. | K | |
| | | | |] | | |
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| | | | | | Y | |
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| | | 6 | | | V. | |
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| V. Sketch the | e line of best f | it on the ar | aph above. | | | |
| | | 3 | | | | |
| | | $\langle \rangle$ | 2 | | | |
| | | | | | | |
| x | .0 | -2 | -4 | -6 | -8 | -10 |
| У | -2 | -4 | -6 | -8 | -10 | -12 |
| | | | 1 | 1 | | |
| . Create a li | near equation | า | | | | |
| Create a li | near equation | ı | | | | |

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