



Math worksheet on 'Slope - Find Equivalent - X, Y Chart to Standard Form (Level 1)'. Part of a broader unit on 'Line Equations and Graphing - Practice'

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1 What line equation in standard form would create this set of X, Y values?

| X | Y |
|---|-----|
| 0 | 4 |
| 1 | 0 |
| 2 | -4 |
| 3 | -8 |
| 4 | -12 |

| | |
|------------------------------|----------------------------|
| a $4x + 1y = 4$ | b $2x + 1y = 4$ |
| c $0.25x + 1y = 4$ | d $-4x + 1y = 4$ |
| | |

2 What line equation in standard form would create this set of X, Y values?

| X | Y |
|---|---|
| 0 | 2 |
| 1 | 3 |
| 2 | 4 |
| 3 | 5 |
| 4 | 6 |

| | |
|------------------------------|----------------------------|
| a $1x + 1y = 2$ | b $-1x + 1y = 2$ |
| c $-0.5x + 1y = 2$ | |
| | |

3 What line equation in standard form would create this set of X, Y values?

| X | Y |
|---|------|
| 0 | 0.5 |
| 1 | 0 |
| 2 | -0.5 |
| 3 | -1 |
| 4 | -1.5 |

| |
|--------------------------------|
| a $2x + 1y = 0.5$ |
| b $-0.5x + 1y = 0.5$ |
| c $0.25x + 1y = 0.5$ |
| d $0.5x + 1y = 0.5$ |

4 What line equation in standard form would create this set of X, Y values?

| X | Y |
|---|------|
| 0 | 2 |
| 1 | 2.33 |
| 2 | 2.67 |
| 3 | 3 |
| 4 | 3.33 |

| |
|-------------------------------|
| a $-3x + 1y = 2$ |
| b $0.33x + 1y = 2$ |
| c $-0.17x + 1y = 2$ |
| d $-0.33x + 1y = 2$ |

5 What line equation in standard form would create this set of X, Y values?

| X | Y |
|---|------|
| 0 | 3.33 |
| 1 | 3 |
| 2 | 2.67 |
| 3 | 2.33 |
| 4 | 2 |

| |
|----------------------------------|
| a $3x + 1y = 3.33$ |
| b $0.17x + 1y = 3.33$ |
| c $0.33x + 1y = 3.33$ |
| d $-0.33x + 1y = 3.33$ |

6 What line equation in standard form would create this set of X, Y values?

| X | Y |
|---|------|
| 0 | 3.25 |
| 1 | 3 |
| 2 | 2.75 |
| 3 | 2.5 |
| 4 | 2.25 |

| |
|----------------------------------|
| a $0.25x + 1y = 3.25$ |
| b $-0.25x + 1y = 3.25$ |
| c $4x + 1y = 3.25$ |
| d $0.13x + 1y = 3.25$ |

7 What line equation in standard form would create this set of X, Y values?

| X | Y |
|---|----|
| 0 | 1 |
| 1 | 6 |
| 2 | 11 |
| 3 | 16 |
| 4 | 21 |

| | |
|------------------------------|------------------------------|
| a $5x + 1y = 1$ | b $-5x + 1y = 1$ |
| c $-2.5x + 1y = 1$ | d $-0.2x + 1y = 1$ |
| | |