

# Worksheet

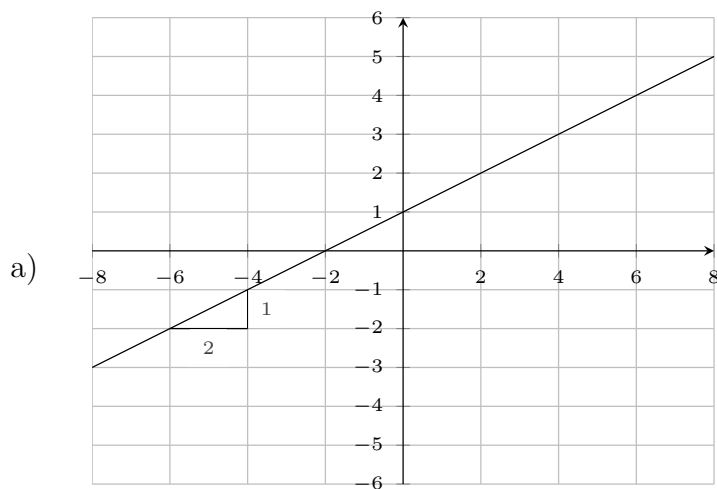
05/25/2020

Free on dw-math.com

Problem quickname: 8003

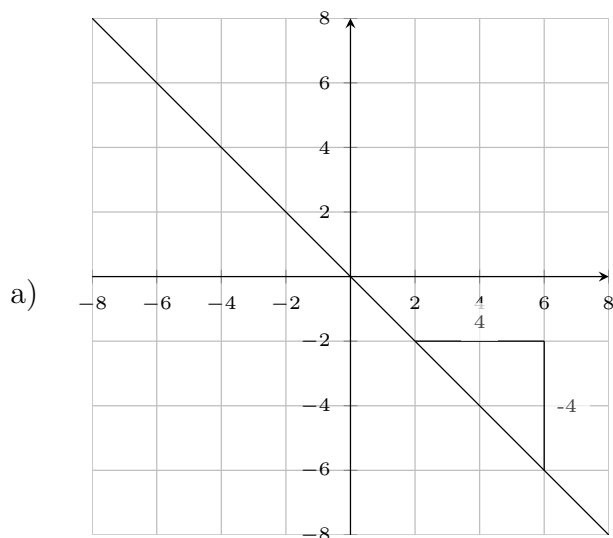
1)

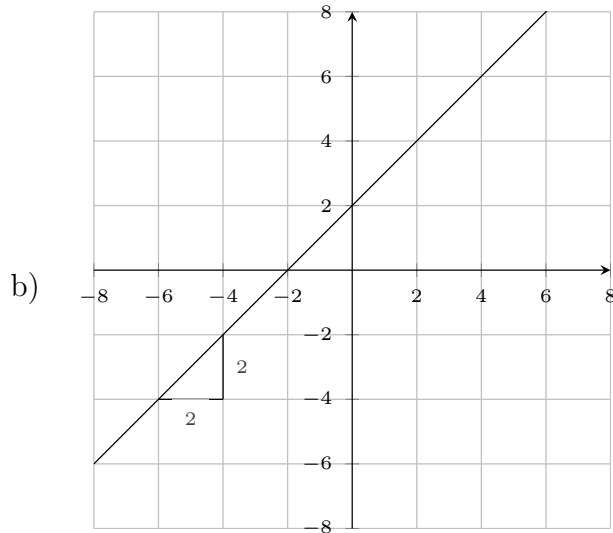
A line is shown in the coordinate system. Draw a slope triangle at a suitable position and label two sides with the lengths for "run" and "rise" on the X and Y axes.

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2)

A line is shown in the coordinate system. Draw a slope triangle at a suitable position and label two sides with the lengths for "run" and "rise" on the X and Y axes.

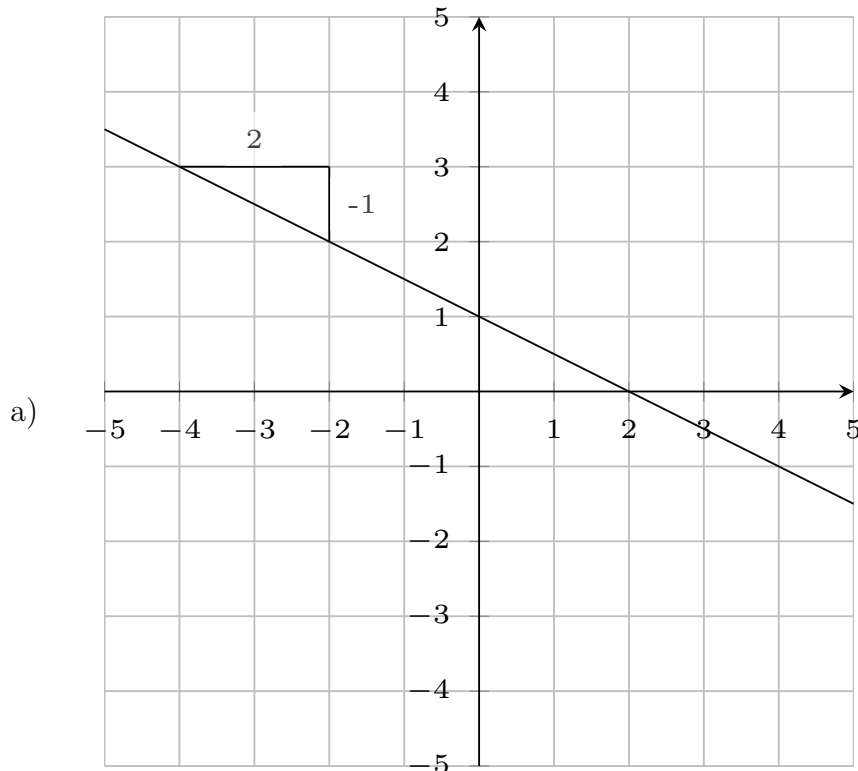
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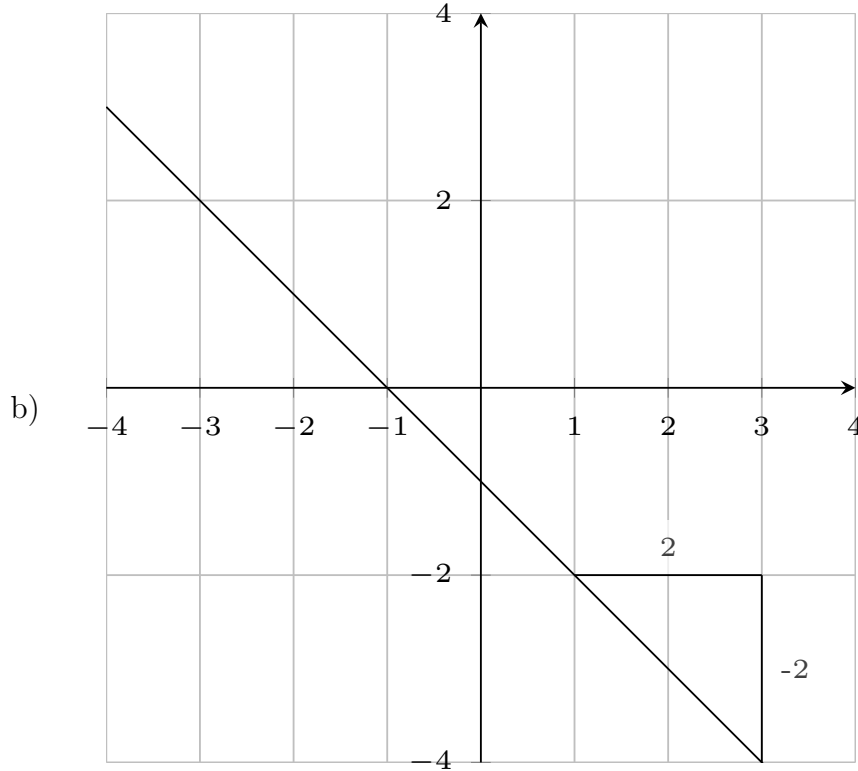
3)

A line is shown in the coordinate system. Draw a slope triangle at a suitable position, label two sides with with "dy" for the "rise" and "dx" for the "run", measure their lengths and derive the slope from the fraction of rise and run..

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$$\text{Slope: } m = \frac{dy}{dx} = \frac{-1}{2} = -\frac{1}{2}$$

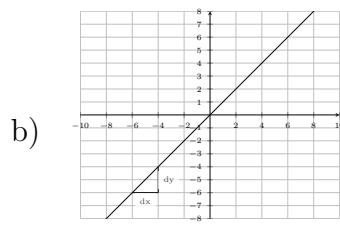
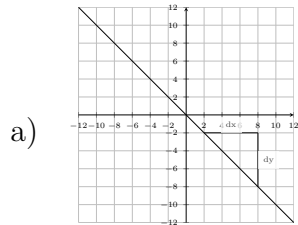


Slope:  $m = \frac{dy}{dx} = \frac{-2}{2} = -1$

4)

A line is shown in the coordinate system. Draw a slope triangle at a suitable position and label two sides with "dy" for the "rise" and "dx" for the "run".

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Good Luck!