Homework
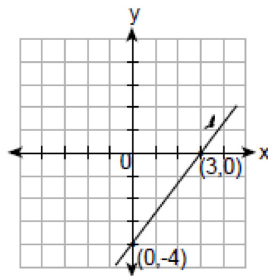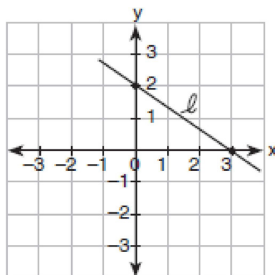
1. Does the line passing through (5, 6) and (−3, 8) have a slope of $\dfrac{-3-5}{8-6}$? Explain.

2.

What is the slope of line ℓ shown in the
accompanying diagram?

(3,0)
(0,-4)

What is the slope of line ℓ in the accompanying
diagram?

A line has a slope of $\dfrac{5}{2}$. Through which two
points could this line pass?

[A] (−2, − 4), (−4, 1)

[B] (2, − 4), (4, 1)   [C] (2, − 4), (4, − 1)

[D] (6, 3), (4, 1)   [E] none of the above

6. Give the coordinates of two points that could
    be on a line with slope of − 2.

9. The number of degrees in the measures of the angles of a triangle are represented by x, $3x + 7$, and $4x + 5$. Find the value of x.

10. If the measures of the angles of a triangle are represented by x, $3x + 6$, and $2x - 6$, find the value of x.