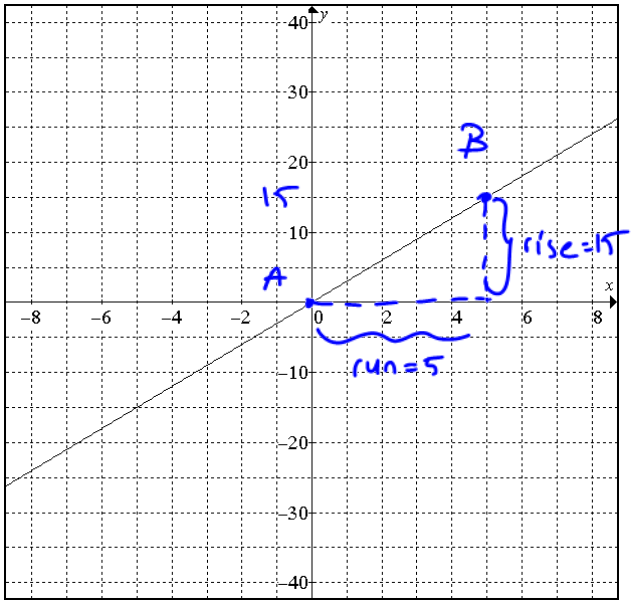
Mathematics 9

Finding m and b at Different Scales

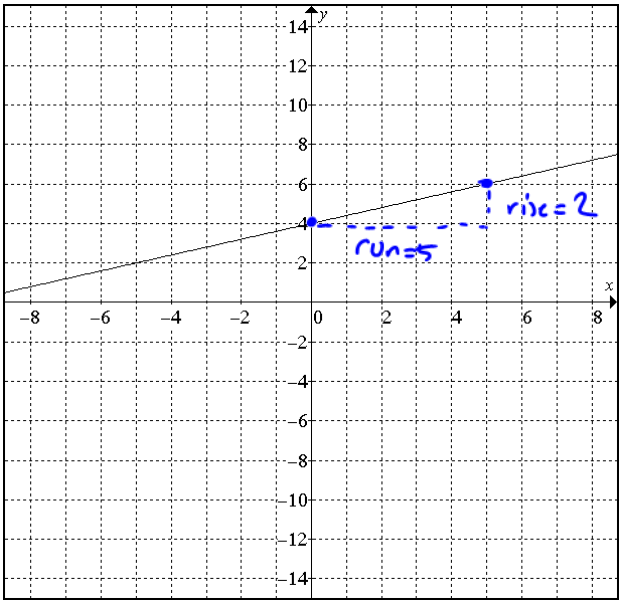
Date:



$m = \frac{15}{5} = 3$ | $b = 0$

1. Equation of line:

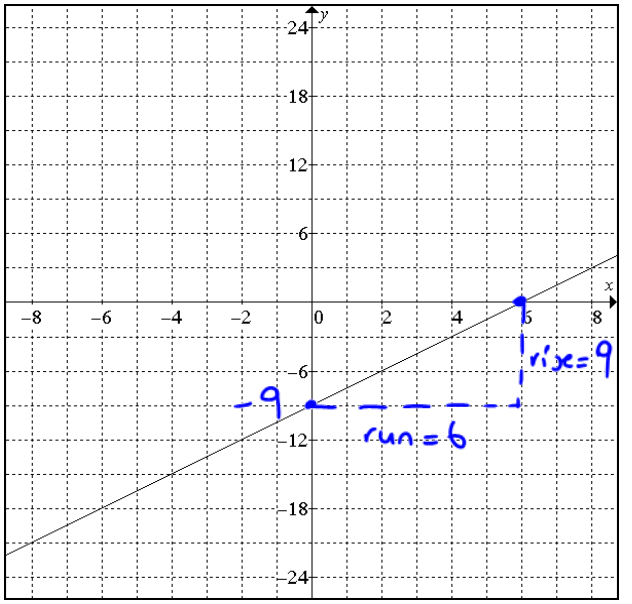
$y = 3x$



$m = \frac{2}{5}$ | $b = 4$

2. Equation of line:

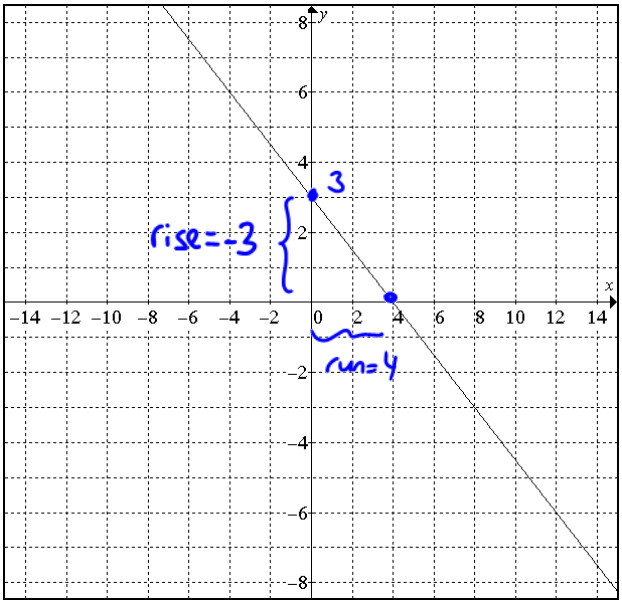
$y = \frac{2}{5}x + 4$



$m = \frac{9}{6} = \frac{3}{2}$ | $b = -9$

3. Equation of line:

$y = \frac{3}{2}x - 9$



$m = \frac{-3}{4}$ | $b = 3$

4. Equation of line:

$y = \frac{-3}{4}x + 3$

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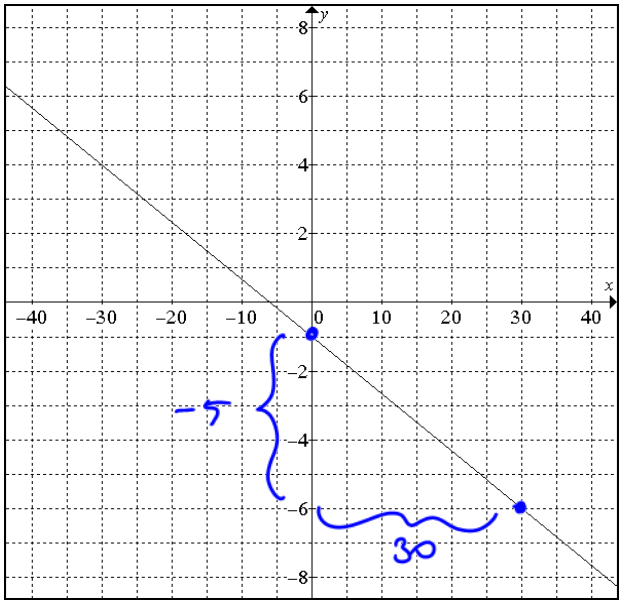
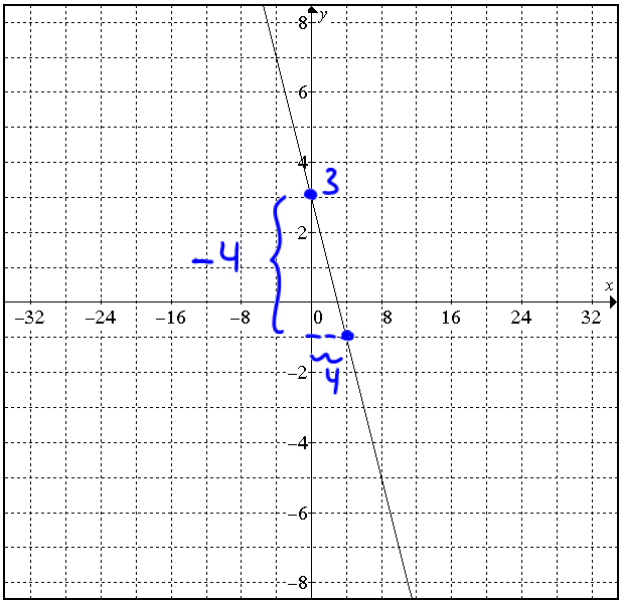


$m = \frac{-5}{30} = \frac{-1}{6}$

$b = -1$

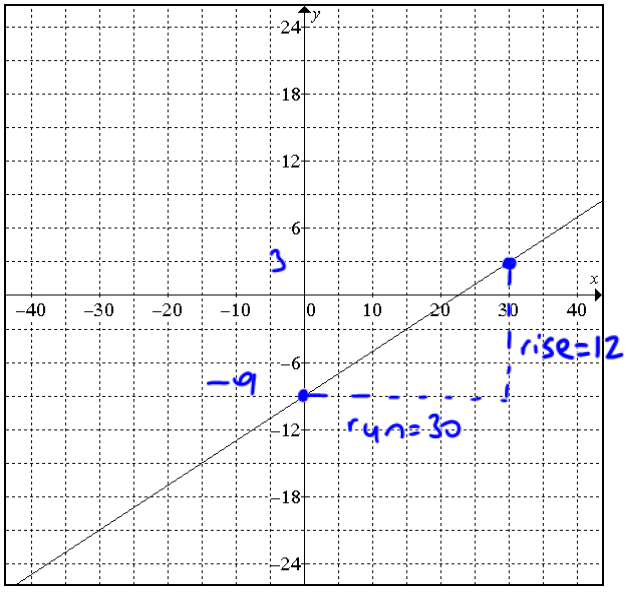
5. Equation of line: $y = \frac{-1}{6}x - 1$



$m = \frac{-4}{4} = -1$

$b = 3$

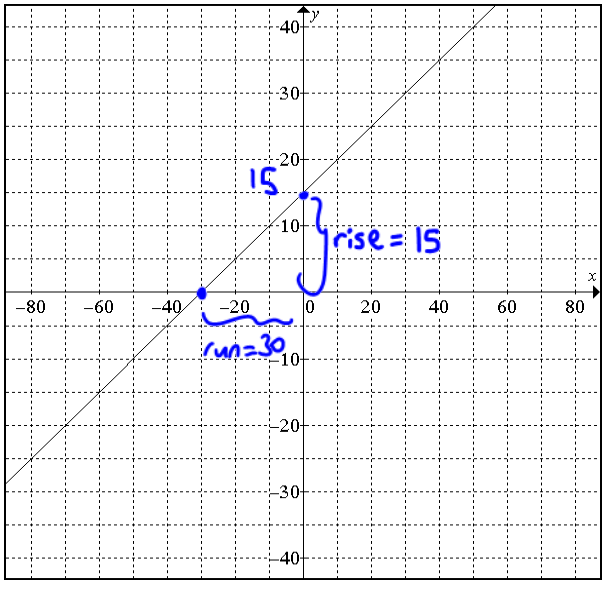
6. Equation of line: $y = -x + 3$



$m = \frac{12}{30} = \frac{2}{5}$

$b = -9$

7. Equation of line: $y = \frac{2}{5}x - 9$



$m = \frac{15}{30} = \frac{1}{2}$

$b = 15$

8. Equation of line: $y = \frac{1}{2}x + 15$