

Name: _____

Date: _____

Score: _____ / 16

Intercepts from a Graph

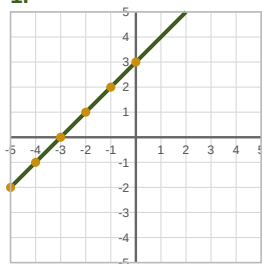
Finding where a line crosses each axis, and checking it algebraically.

y-intercept $x = 0$	x-intercept $y = 0$	From a graph read the crossing point	Algebraically substitute 0
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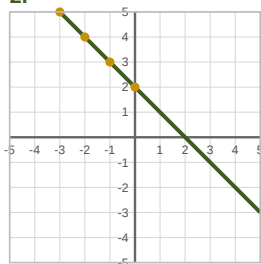
Section A — Find the y-Intercept

State the y-value where the line crosses the y-axis.

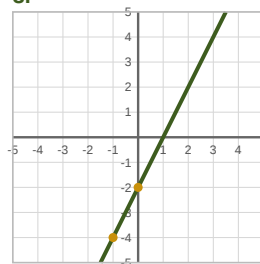
1.



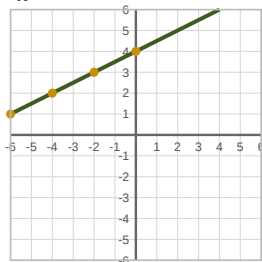
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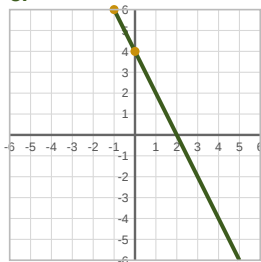
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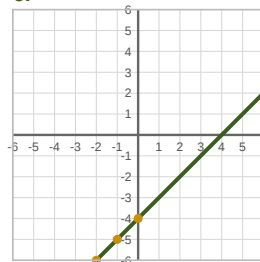
4.



5.



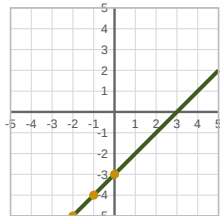
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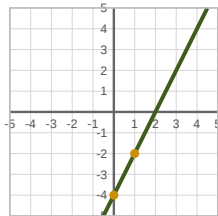
Section B — Find the x-Intercept

State the x-value where the line crosses the x-axis.

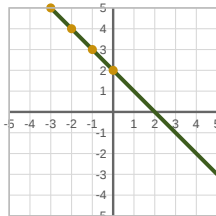
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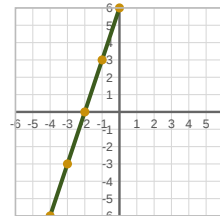
8.



9.



10.



Section C — About Intercepts

Complete each statement.

11. At the y-intercept, $x =$ _____

12. At the x-intercept, $y =$ _____

13. To find the x-intercept algebraically, set y to _____ and solve a horizontal line above the axis has _____ x-intercepts

15. The line $y = 2x$ has both intercepts at the _____

16. The point where the line meets the y-axis is $(0, \text{_____})$

Intercepts from a Graph

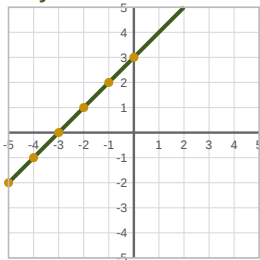
Finding where a line crosses each axis, and checking it algebraically.

y-intercept $x = 0$	x-intercept $y = 0$	From a graph read the crossing point	Algebraically substitute 0
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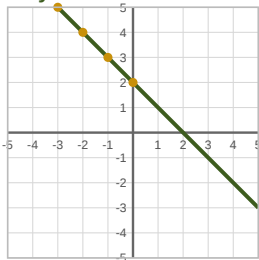
Section A — Find the y-Intercept

State the y-value where the line crosses the y-axis.

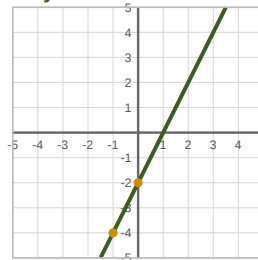
1. y-int = 3



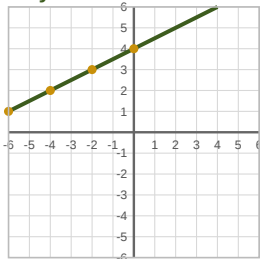
2. y-int = 2



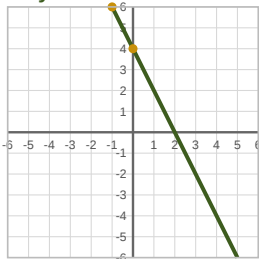
3. y-int = -2



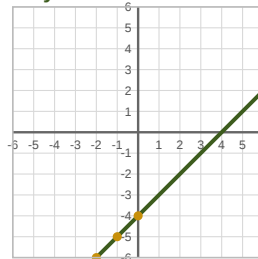
4. y-int = 4



5. y-int = 4



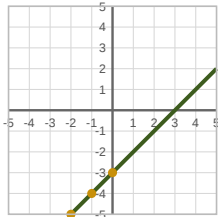
6. y-int = -4



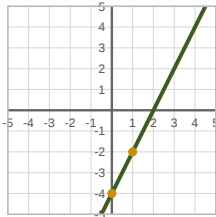
Section B — Find the x-Intercept

State the x-value where the line crosses the x-axis.

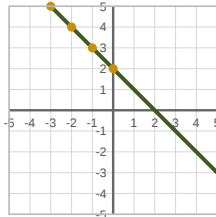
7. x-int = 3



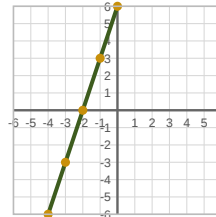
8. x-int = 2



9. x-int = 2



10. x-int = -2



Section C — About Intercepts

Complete each statement.

11. At the y-intercept, $x = 0$

12. At the x-intercept, $y = 0$

13. To find the x-intercept algebraically, set y to 0 and solve

14. A horizontal line above the axis has no x-intercepts

15. The line $y = 2x$ has both intercepts at the origin

16. The point where the line meets the y-axis is $(0, b)$