

Name: \_\_\_\_\_ Date: \_\_\_\_\_

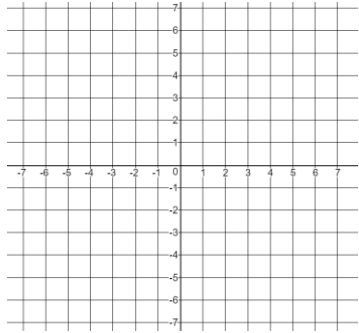
### 10.29 Practice Quiz

**Instructions:** Distribute and combine the like terms.

1. $(x + 3)(x - 5)$	2. $(2x + 1)(x + 5)$
3. $(x - 7)^2$	4. $(x + 3)(x - 3)$

**Instructions:** Use the following equation to answer the following questions. Be sure to write all points as an ordered pair.

$$y = (x + 2)^2 + 3$$

5. x-intercepts?	6. y-intercept
7. vertex?	8. Stretch?
9. Axis of symmetry	10. Graph <div style="text-align: center; margin-top: 10px;">  </div>

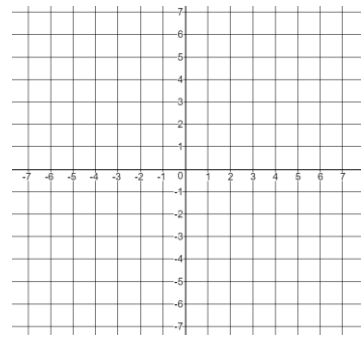
**Instructions:** Use the following equation to answer the following questions. Be sure to write all points as an ordered pair.

$$y = -x^2 + 2x + 2$$

11. x-intercepts?	12. y-intercept
13. vertex?	14. Stretch?

15. Axis of symmetry

16.



**Instructions:** Use the following equation to answer the following questions. Be sure to write all points as an ordered pair.

$$y = (x + 2)(x - 4)$$

17. x-intercepts?

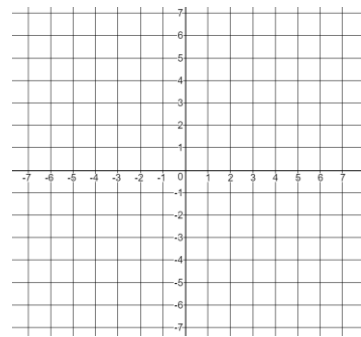
18. y-intercept

19. vertex?

20. Stretch?

21. Axis of symmetry

22. Graph



**Instructions:** Please complete the square of the following equations.

23.  $0 = x^2 + 4x + 10$

24.  $0 = x^2 - 6x + 4$