For questions 1-3, convert to standard form.

1. $y = (x - 2)^2 + 3$

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

3. $y = (x + 4)^2 - 8$

4. $y = (x - 6)^2 + 1$

15. $y = 3(x + 5)^2 - 20$

6. $y = (x + 1)^2$

For questions 4-6, convert to vertex form.

7. $y = x^2 + 10x + 27$

8. $y = 2x^2 + 4x - 3$

9. $y = x^2 - 4x + 4$

10. $y = -x^2 + 10x + 16$

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

12. $y = 3x^2 - 12x + 8$