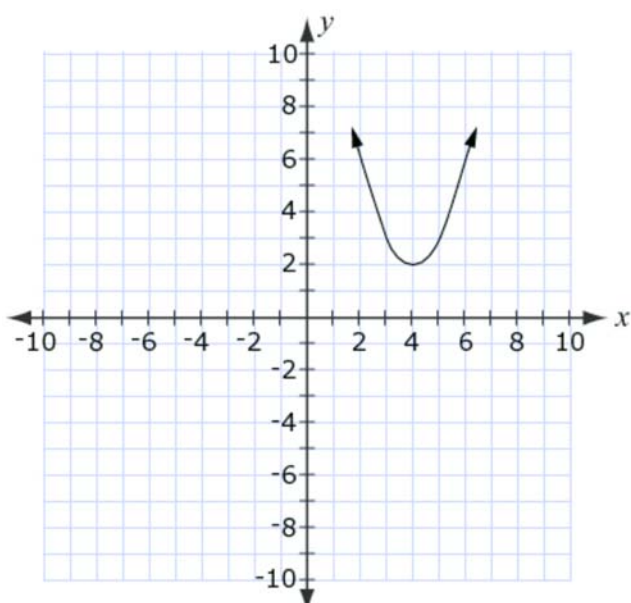


1.



2. $10x^2 - 3x - 18$ or its equivalent

3. -5 and $3\sqrt{2}$

4. -4.2 to -4

5. 9

6.D

7.

A) $(17 + 2w)(13 + 2w) = 396$ or its equivalent

B) $w = \frac{5}{2}$ or equivalent values

8.

Sample response:

Tina is incorrect because some orders of basic transformations do not produce the same results. Suppose we move triangle A 2 units to the right first.

The point (4, 3) is then (6, 3). Then, we take the reflection across the x-axis, which makes that point (6, -3). A reflection of (6, -3) across the y-axis gives us (-6, -3), which is not one of the

vertices of triangle A' . Therefore, the basic transformations done in any order do not produce the same result.

9. 9/19

10. 3

11. Answers may vary. $Y - 30 = 6(x - 4)$

12. Answers may vary. $Y - 2 = (-4/3)(x - 6)$

13. (60, 20)

14. (1, 2)

15. $(x + 1)(x + 3)$

16. $5(x^2 + 5)$

17. $(3x - 2)(2x + 5)$

18. $(9x - 12)(x + 2)$

19. $(x - 6)(x + 2)$

20. $-2(x - 5)(x + 5)$