Algebra and Geometry Review 3

1. Write the quadratic formula.	2. What is the formula for finding the midpoint between two points?
3. The formula for the perimeter of a rectangle can be written as $P = 2l + 2w$. Solve this equation for w.	4. The diagonal of a square has a measure of 12. How long is each side of the square?
5. Solve this quadratic equation. $x^2 + 5x - 2 = 0$	6. What is the difference between an isosceles triangle and an equilateral triangle?
7. What equation is shown in the graph?	8. If a rhombus has sides that are each 10 units long and an obtuse angle that is 120˚, how long are the diagonals of the rhombus?
9. Multiply the radicals. $2\sqrt{3}\left(3\sqrt{2} + 4\sqrt{3}\right)$	10. Find the missing angles in the parallelogram.