

1.4 Extra Practice

Find the perimeter and area of the following polygons given the vertices.

1) E(6,2) L(6, -4) F(-4, -4).

2) C(2,4) R(2, -3) U(-2, -3) Z(-2, 4)

3) N(2, 2) F(3, -2) L(-2, 1)

4) J(2,4) A(-5, 2) C(-3, -5) K(4, -3)

5) A(3, 4) B(-3, -4), E(0, 5)

Simplify the following.

6) $\sqrt{15} + \sqrt{15}$

7) $(\sqrt{2})(\sqrt{3})(\sqrt{5})$

8) $\sqrt{20} + \sqrt{5}$

9) Find the point as a coordinate where lines $y_1 = 2x + 3$ and $y_2 = 3x - 4$ intersect.

10) Solve for x. $43 = 4|3x - 5| + 3$

Note: wolframalpha.com is like math google. If you ever do not know how to solve an equation, you can type in the equation and wolfram alpha will show you step by step how to solve it.