12.1, number 67: Find the perimeter of the triangle with vertices A=(-1,2,1), B=(1,-1,3), and C=(3,4,5).

Answer: The distance from A to B is $\sqrt{4+9+4}$. The distance from B to C is $\sqrt{4+25+4}$. The distance from C to A is $\sqrt{16+4+16}$. The perimeter of the triangle is

$$\boxed{\sqrt{17} + \sqrt{33} + 6}.$$