

```

size(0,150); import geometry;
real a=3; real b=4; real c=hypot(a,b);
pair z1=(0,b); pair z2=(a,0); pair z3=(a+b,0); perpendicular(z1,NE,z1-z2,blue);
perpendicular(z3,NW,blue); draw(square((0,0),z3)); draw(square(z1,z2));
real d=0.3; pair v=unit(z2-z1); draw(baseline("a"),-d*I-z2-d*I,red,Bars,Arrows,PenMargins);
draw(baseline("b"),z2-d*I-z3-d*I,red,Arrows,Bars,PenMargins); draw("c",z3+z2*I-
d*v-z2-d*v,red,Arrows,PenMargins); draw("a",z3+d-z3+z2*I+d,red,Arrows,Bars,PenMargins);
draw("b",z3+z2*I+d-z3+z3*I+d,red,Arrows,Bars,PenMargins);

```