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#4.6 Question 4
#(A)
> with(Groebner):
> with(PolynomialIdeals):
> I:=<x*z-y^2,x^3-y*z>;
                           I := \langle x \ z - y , x - y z \rangle
> J:=<x^2*y-z^2>;
                                J := \langle x \ y - z \rangle
> K:=Intersect(I,J);
                        > map(f->simplify(f/(x^2*y-z^2)),K);
>
#(C)
> Intersect( <x,y> , <x*z-y^2,x^3-y*z,z^2-x^2*y> );
                              3 2
<x - y z, y - x z>
> Simplify(I);
                              3 2
<x - y z, y - x z>
```

#So they are indeed equal.