

## ME 1020 Engineering Programming with MATLAB

Problem 1.9:

9. Use MATLAB to compute the following. Check your answers by hand.

a.  $(3 + 6i)(-7 - 9i)$

b.  $\frac{5 + 4i}{5 - 4i}$

c.  $\frac{3}{2}i$

d.  $\frac{3}{2i}$

```
%Prob. 1-9 Scott Thomas
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```
a=(3+6i)*(-7-9i)
```

```
b=(5+4i)/(5-4i)
```

```
c=3/2*i
```

```
d=3/(2*i)
```

a =

33.0000 -69.0000i

b =

0.2195 + 0.9756i

c =

0 + 1.5000i

d =

0 - 1.5000i