

## LT 4.1 Skills Practice #2

### *Complex Numbers*

Solve each equation.

1.  $3x^2 + 3 = 0$

2.  $5x^2 + 125 = 0$

3.  $4x^2 + 20 = 0$

4.  $-x^2 - 16 = 0$

5.  $x^2 + 18 = 0$

6.  $8x^2 + 96 = 0$

Find the values of  $\ell$  and  $m$  that make each equation true.

7.  $20 - 12i = 5\ell + (4m)i$

8.  $\ell - 16i = 3 - (2m)i$

9.  $(4 + \ell) + (2m)i = 9 + 14i$

10.  $(3 - m) + (7\ell - 14)i = 1 + 7i$