

Corrective Assignment #2**Perform the indicated operation. Express in standard form.**

1. $(3 - 7i) + 3$

2. $(1 + 3i) + (2 + 4i)$

3. $(7 + 8i) - (6 + 7i)$

4. $-7i(-2 + 7i)$

5. $(-1 + 5i)(5 - 6i)$

6. $(7 + 4i)(-7 + i)$

7. $\frac{9-9i}{5}$

8. $\frac{1-i}{-9}$

9. $\frac{5-3i}{1+4i}$

10. $\frac{-9+7i}{-3+7i}$

Solve. Express your radical solutions in the simplest form.

11. $(3y)^2 + 10 = -18$

12. $(2t + 3)^2 + 39 = 3$

Solve. Express your radical solutions in the simplest form.

13. $-14 = 2(w - 3)^2 + 26$

14. $77 = -73 - 2(2h - 8)^2$

ANSWERS FOR 6.2 CORRECTIVE ASSIGNMENT

1. $6 - 7i$	2. $3 + 7i$	3. $1 + i$	4. $49 + 14i$
5. $25 + 31i$	6. $-53 - 21i$	7. $\frac{9}{5} - \frac{9}{5}i$	8. $-\frac{1}{9} + \frac{i}{9}$
9. $-\frac{7}{17} - \frac{23}{17}i$	10. $\frac{38}{29} + \frac{21}{29}i$	11. $y = \pm \frac{2\sqrt{7}}{3}i$	12. $t = -\frac{3}{2} \pm 3i$
13. $w = 3 \pm 2i\sqrt{5}$	14. $h = 4 \pm \frac{5\sqrt{3}}{2}i$		