

Corrective Assignment #1**Perform the indicated operation. Express in standard form.**

1. $(6 + 8i) - (7i)$

2. $(-7 - 3i) - (7 + i)$

3. $(-2 + 6i) + (-8 + 5i)$

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

5. $(6 - i)(6 - 7i)$

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

7. $\frac{-1+7i}{2}$

8. $\frac{5+6i}{9}$

9. $\frac{7+5i}{4-10i}$

10. $\frac{6+10i}{-6-2i}$

Solve. Express your radical solutions in the simplest form.

11. $(4m + 3)^2 = -12$

12. $77 = -73 - 2(2h - 8)^2$

Solve. Express your radical solutions in the simplest form.

13. $(5p + 15)^2 = -50$

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

ANSWERS FOR 6.2 CORRECTIVE ASSIGNMENT

1. $6 + i$	2. $-14 - 4i$	3. $-10 + 11i$	4. $-12 + 12i$
5. $29 - 48i$	6. $-20 + 48i$	7. $-\frac{1}{2} + \frac{7}{2}i$	8. $\frac{5}{9} + \frac{2}{3}i$
9. $-\frac{11}{58} + \frac{45}{58}i$	10. $-\frac{7}{5} - \frac{6}{5}i$	11. $m = -\frac{3}{4} \pm \frac{\sqrt{3}}{2}i$	12. $h = 4 \pm \frac{5\sqrt{3}}{2}i$
13. $p = -3 \pm i\sqrt{2}$	14. $w = 3 \pm 2i\sqrt{5}$		