

## Review

Solve each equation using any method.

1)  $2(5n+4)(7n-8) = 0$

$$n = -\frac{4}{5}, \frac{8}{7}$$

2)  $7(4n-3)(n+5) = 0$

$$n = \frac{3}{4}, -5$$

3)  $(2x-7)(x-2) = 0$

$$x = \frac{7}{2}, 2$$

4)  $r^2 - 6r + 8 = 0$

$$r = 2, -4$$

5)  $n^2 + 12n + 35 = 0$

$$n = -7, -5$$

6)  $n^2 + 2n = 0$

$$n = 0, -2$$

7)  $m^2 + m - 2 = 0$

$$m = 1, -2$$

8)  $v^2 + 4v + 4 = 0$

$$v = -2$$

9)  $3a^2 - 10a - 25 = 0$

$$a = -\frac{5}{3}, 5$$

10)  $n^2 + 8n - 65 = 0$

$$n = -13, 5$$

11)  $5n^2 - 4n - 64 = 0$

$$n = -\frac{16}{5}, 4$$

12)  $3x^2 - 7x - 26 = 0$

$$x = \frac{13}{3}, -2$$

Simplify.

13)  $(-8i) - (i)$

$$-9i$$

14)  $(7 - 5i) + (8i)$

$$7 + 3i$$

15)  $(-4 + 8i)(3 + 7i)$

$$-68 - 4i$$

16)  $(8 - 5i)(-7 - 7i)$

$$-91 - 21i$$