Following are some of the answers for the final exam review.

2) $24x - 8y = 16$

$y = 3x - 2$

4) $5x - 8y = -48$ $y = \frac{5}{8}x + 6$

7) $(8, -2), (-1, -9)$ $\frac{7}{9}$

9) $(7, 4), (7, -8)$

Undefined

12) $v^2 + v = 20$

$\{4, -5\}$

14) $n^2 = -n + 20$

$\{-5, 4\}$

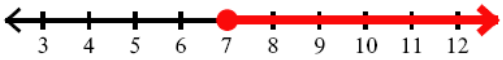
17) through: $(-2, 5)$, slope $= -\frac{3}{2}$

$y = -\frac{3}{2}x + 2$

19) through: $(1, 4)$, slope $= -\frac{2}{3}$

$y = -\frac{2}{3}x + \frac{14}{3}$

22) $63 \le 9m$



24) $10 < \frac{r}{2}$

27) $|-3 + n| = 5$

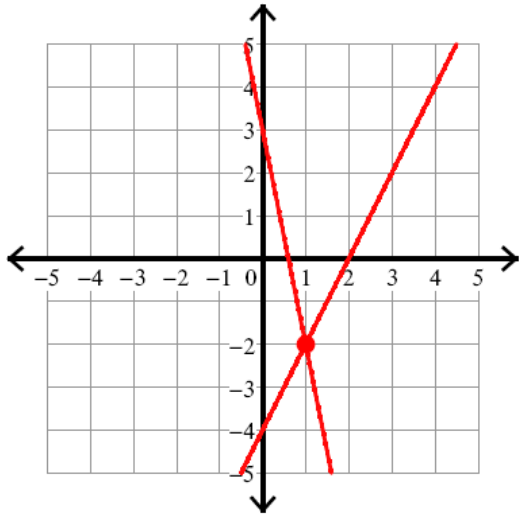
$\{8, -2\}$

29) $|7 + v| = 2$

$\{-5, -9\}$

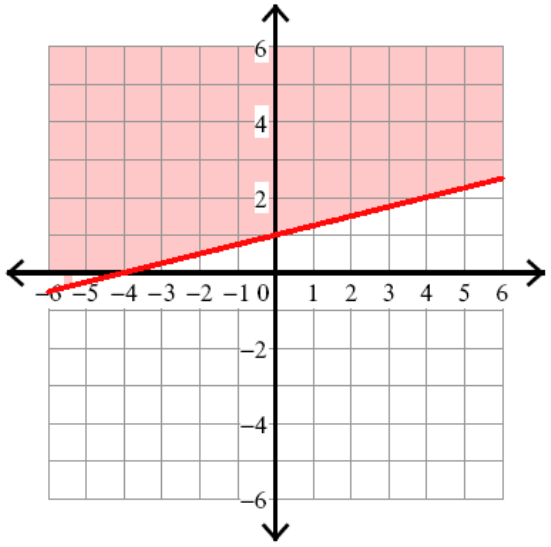
32) $y = -5x + 3$

$y = 2x - 4$



$(1, -2)$

36) $y \geq \frac{1}{4}x + 1$



38) $6x + 3y = -6$
$2x - 2y = 10$

$(1, -4)$

42) $v^0 \cdot 2v^2$

$2v^2$

44) $\left(m^4 \cdot m\right)^3$

m^{15}

46) $\left(2u^4 \cdot 2vu^2\right)^3$

$64u^{18}v^3$

50) $\frac{4xy^4}{yx^4}$ $\frac{4y^3}{x^3}$

52) $\frac{4x}{3x^4y^3}$ $\frac{4}{3x^3y^3}$

55) $2b^2 - 8 = 2$

$\{\sqrt{5}\}$

57) $-3x^2 + 1 = -26$

$\{3\}$

60) $x - 4y = -20$ $\frac{1}{4}$

62) $4x - 5y = 15$ $\frac{4}{5}$

65) $(6x - 7)(8x + 5)$

$48x^2 - 26x - 35$

67) $(7b + 7)(4b - 2)$

$28b^2 + 14b - 14$

70) $3n^2 + 3n - 126$

$3(n+7)(n-6)$

72) $n^2 - 3n - 28$

$(n+4)(n-7)$

75) $(2r^2 + 5r - 3r^3) - (7 - 5r - r^3)$

$-2r^3 + 2r^2 + 10r - 7$

77) $(8n^3 + 8n^2 - n) - (n^3 + 6n^2 - 3n)$

$7n^3 + 2n^2 + 2n$

80) $4\sqrt{7} + 2\sqrt{7}$

$6\sqrt{7}$

82) $4\sqrt{5} - 2\sqrt{5}$

$2\sqrt{5}$

84) $\sqrt{12x^4}$

$2x^2\sqrt{3}$

86) $\sqrt{8r^3}$

$2r\sqrt{2r}$

88) $\sqrt{8} \cdot \sqrt{8}$

8

90) $2\sqrt{2} \cdot \sqrt{3}$

$2\sqrt{6}$

92) $-3\sqrt{4p} \cdot 5\sqrt{2p^2}$

$-30p\sqrt{2p}$