

HOMEWORK # 3

Answers to even exercises

SECTION 2.4

(6) $x + y = 6$

(14) $y = 2x + 4$

(20) $y = -\frac{5}{8}x - \frac{1}{3}$

(36) (a) $2x - y = 8$
(b) $y = 2x - 8$

(38) (a) $3x + 8y = -6$
(b) $y = -\frac{3}{8}x - \frac{3}{4}$

(44) (a) 2 ; (b) -6

(50) (a) $p(x) = 0.0292x + 1$
(b) ≈ 2.75 atmospheres.

SECTION 5.1

(36) $\{(66, -34)\}$

(48) $\{(2, 1, 4)\}$

(52) $\{(-1, 1, 2)\}$

(72) $\{(\frac{1}{3}, \frac{1}{4})\}$

(84) $x^2 + y^2 - 6x - 4y - 12 = 0$

(94) $75^\circ, 65^\circ, 40^\circ$