
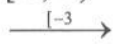
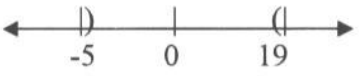
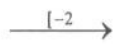
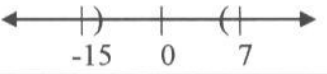
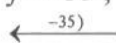
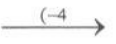
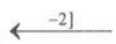
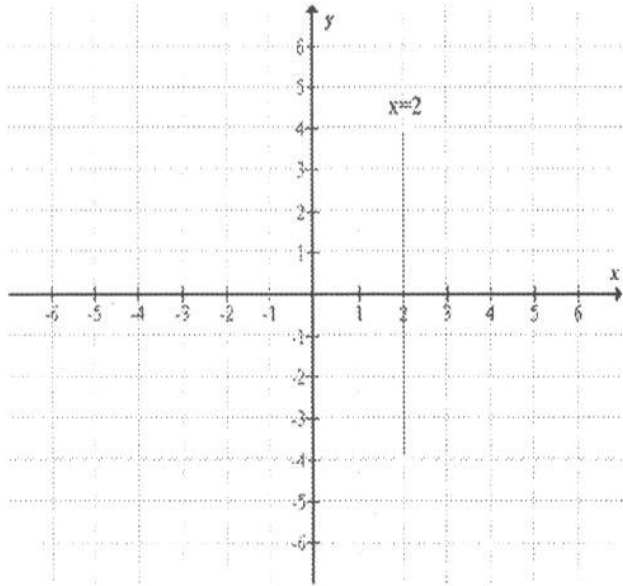


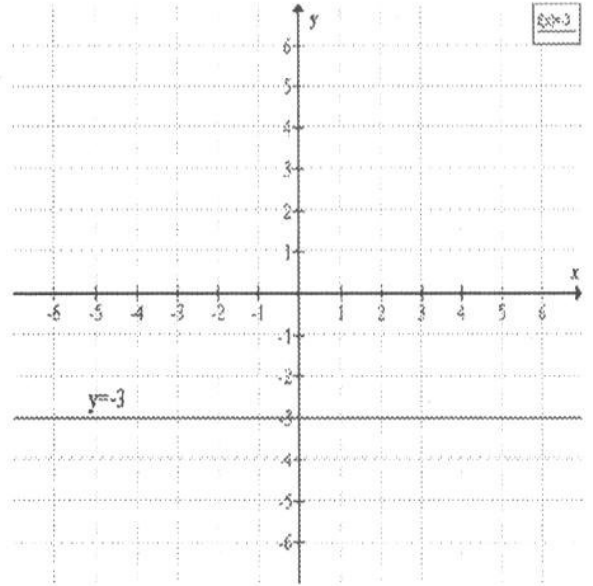
**ANSWER KEY FOR REVIEW FOR MTH 030 EXAMINATION #1** Rev. Spring 2007

1. a) $x = -3$	4. d) $x = -\frac{11}{3}, x = 1$	9. b) $x = (-\frac{3}{2}, 0)$ $y = (0, 3)$
1. b) $x = 18$		
1. c) $x = -\frac{12}{7}$	5. a) $x = 48;$ $x + 1 = 49;$ $x + 2 = 50$	9. c) $x = (3, 0)$ $y = (0, 6)$
1. d) $x = 45$	5. b) $x = 79$	10. a) $y = -3x + 4$
2. a) $t = \frac{I}{Pr}$	5. c) $x = 69$	10. b) $y = 2x$
2. b) $x = \frac{5}{3}y + \frac{11}{3}$	6. a) $x \geq -3$ and $x \leq 2$ ; $[-3, 2]$	10. c) $y = \frac{3}{4}x + \frac{29}{4}$
2. c) $C = \frac{5F - 160}{9}$		11. a) $y = -x + 3$
2. d) $y = -\frac{5}{4}x + 2$	6. b) $x < -5$ or $x > 19$ ; $(-\infty, -5) \cup (19, \infty)$	11. b) $y = -2x$
3. a) $[-3, \infty)$ 		11. c) $y = 3x + 19$
3. b) $y \geq -2$ ; $[-2, \infty)$ 	6. c) $x < -15$ or $x > 7$ ; $(-\infty, -15) \cup (7, \infty)$	12. a - d) See graphs
		13. a) Lines intersect at $(2, 4)$
3. c) $y < -35$ ; $(-\infty, -35)$ 	7. a-e) See graphs	13. b) Lines intersect at $(-3, 4)$
3. d) $y > -4$ ; $(-4, \infty)$ 	8. a) $m = \frac{3}{2};$ $y = \frac{3}{2}x - 4$	13. c) Lines intersect at $(3, -1)$
3. e) $x \leq -2$ ; $(-\infty, -2]$ 	8. b) $m = 2$ $y = 2x + 3$	14. a) $(-1, 2)$
4. a) $x = -2$ , or $x = 1$	8. c) $m = \text{undefined};$ $x = 6$	14. b) $(-1, -4)$
4. b) No solution	8. d) $m = 0;$ $y = 4$	15. a) $x = 5$ $y = -5$
4. c) $y = -5, y = \frac{17}{3}$	9. a) $x = (-6, 0)$ $y = (0, 3)$	15. b) $x = -2$ $y = 2$

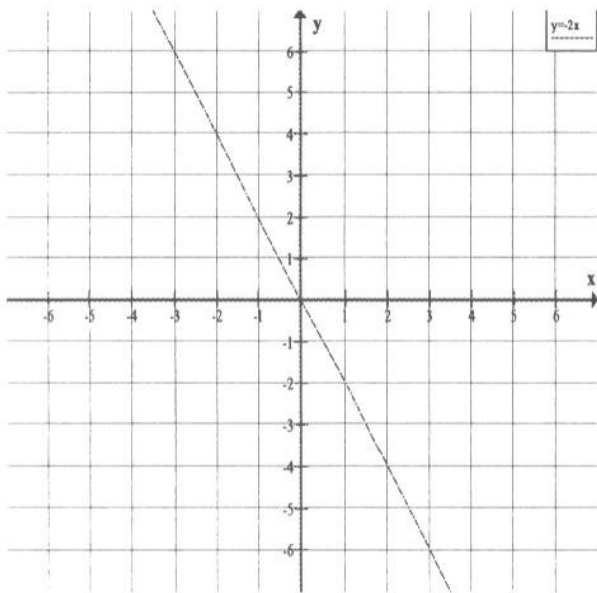
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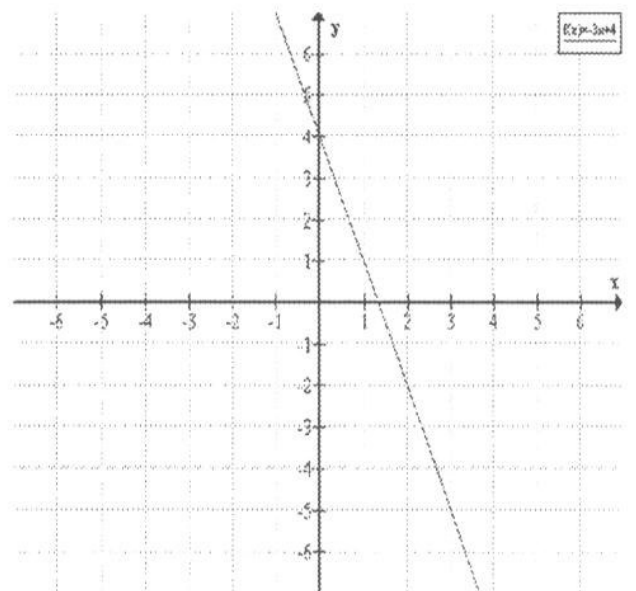
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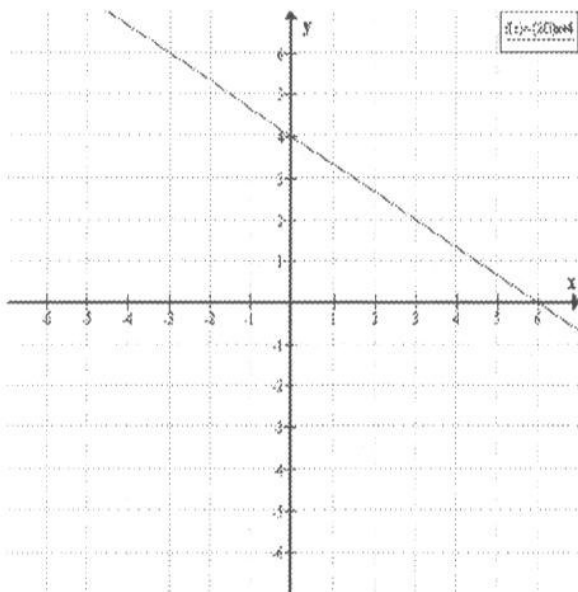
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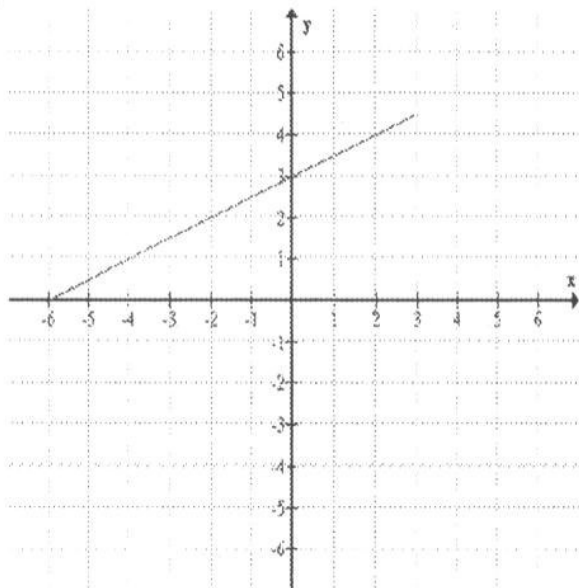
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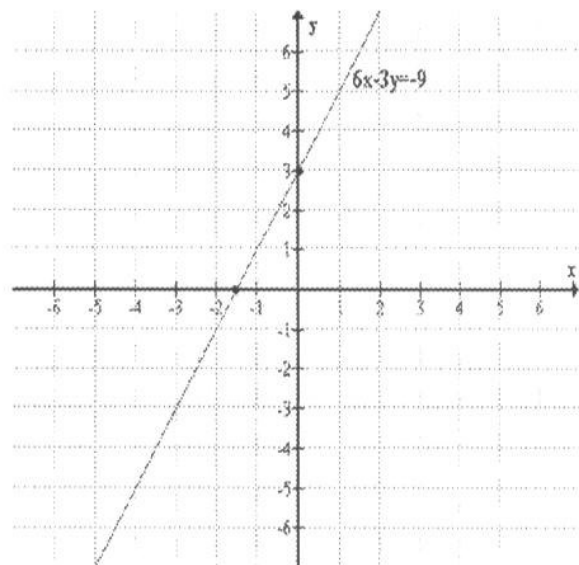
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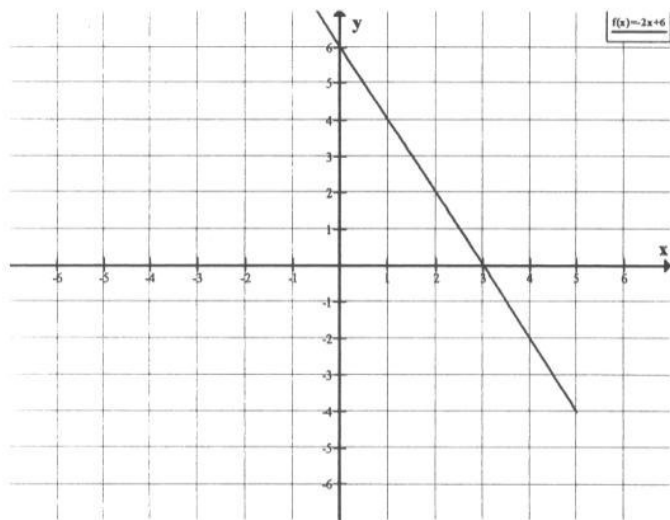
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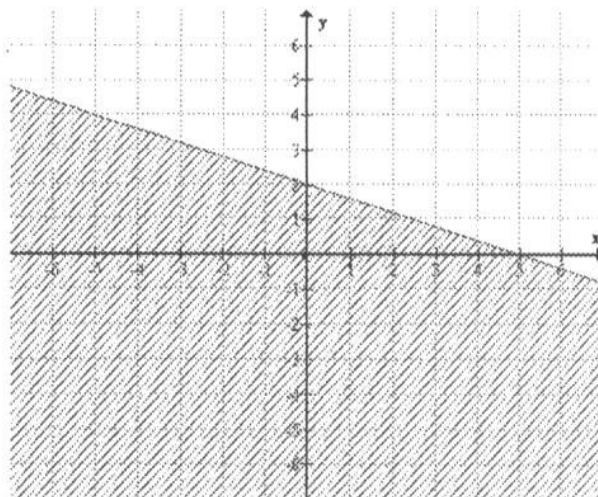
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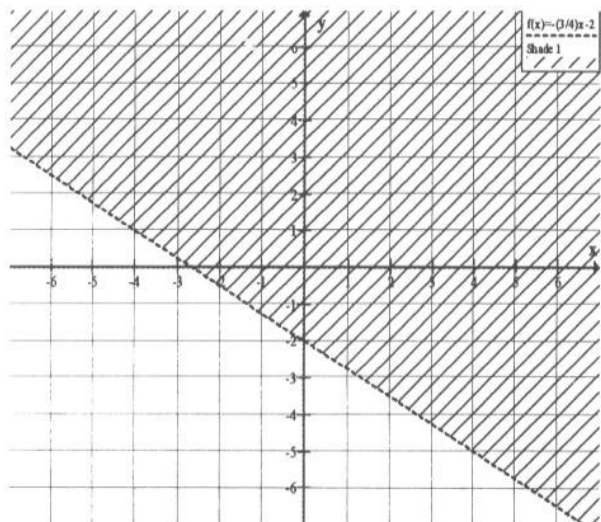
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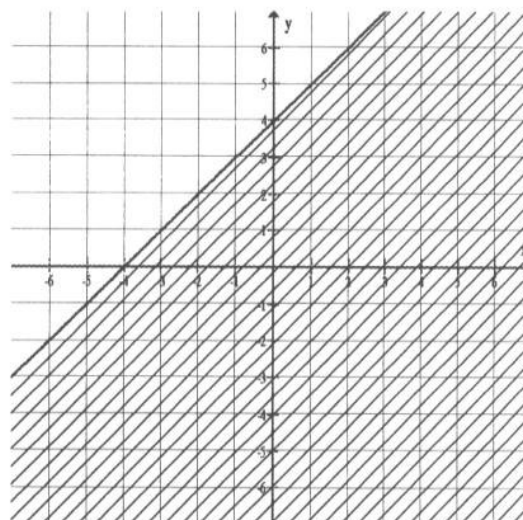
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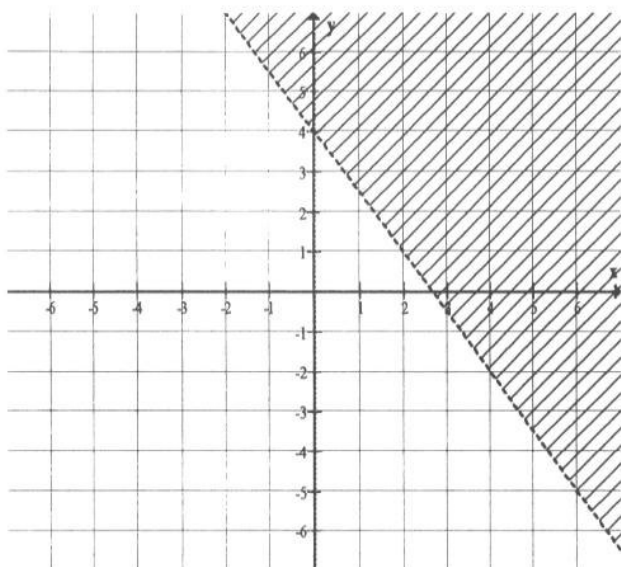
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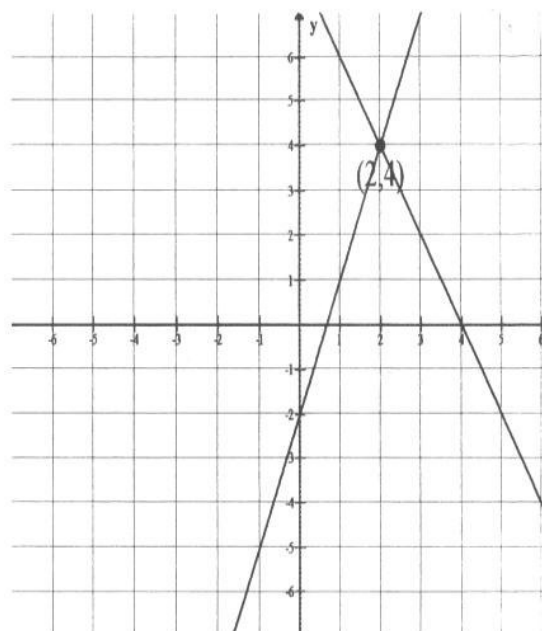
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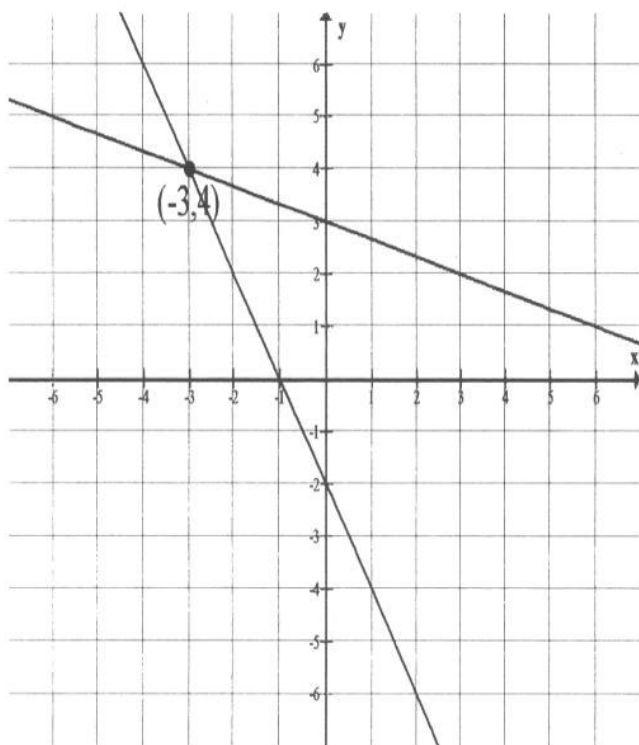
12d



13a



13b



13c

