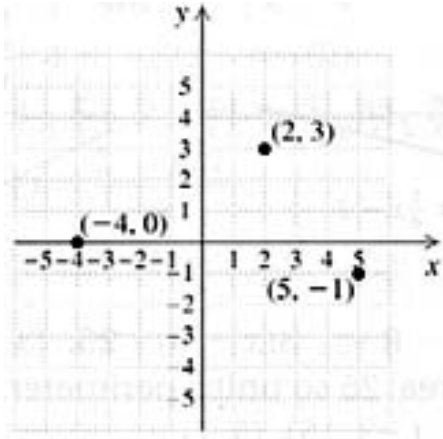


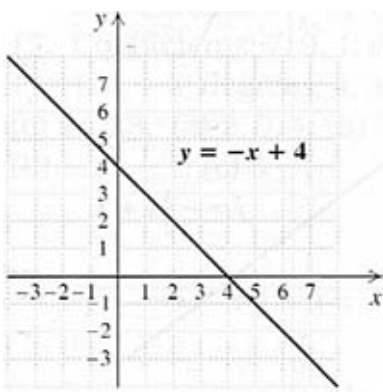
MATD 0370 - Elementary Algebra - Review Sheet for Exam #2 - ANSWERS

1)

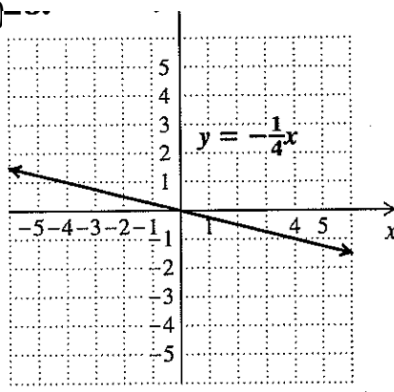


2) A: (-5, -1); B: (-2, 5); C: (3, 0)

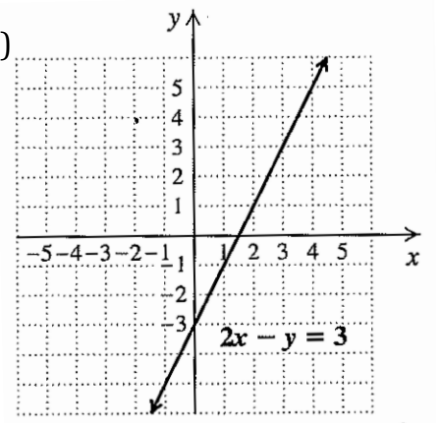
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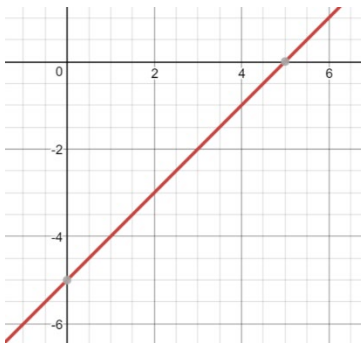
4)---



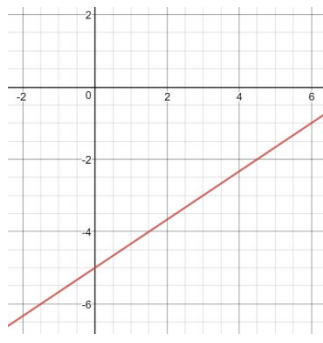
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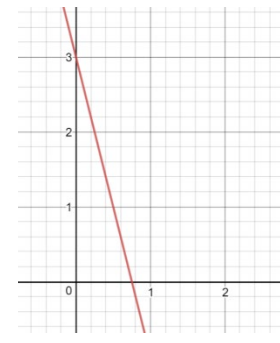
6)



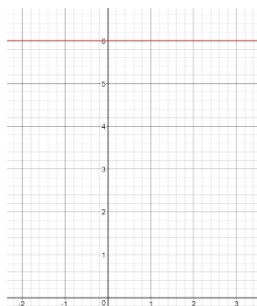
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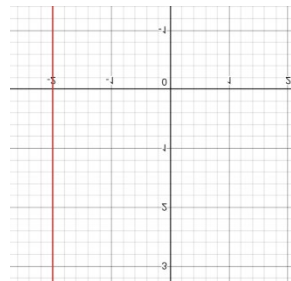
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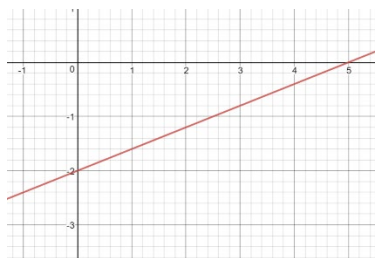
9)



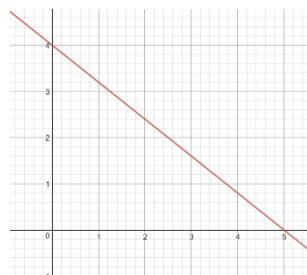
10)



11) x -intercept: (5, 0); y -intercept: (0, -2)



12) x -intercept: (5, 0); y -intercept: (0, 4)



13) a) x -intercept: (-3, 0); y -intercept: (0, 5);

b) x -intercept: (-3, 0); y -intercept: (0, 1)

14) a) $\frac{4}{9}$ meals/minute; b) $2\frac{1}{4}$ minutes/meal	15) 87.5 miles per hour
16) a) $m = 0$ b) $m = \frac{7}{3}$ c) $m = -\frac{3}{7}$	17) a) undefined b) $m = 0$
18) $m = \frac{3}{2}$ $m = -\frac{3}{7}$	19) $m = -2$
20) undefined	21) 5%
22) $m = \frac{5}{3}$, y -intercept: (0, -2)	23) $m = -\frac{1}{2}$, y -intercept: (0, 5)
24) $y = -\frac{3}{5}x - 1$	25) $y = 5x - 25$
26) $y = \frac{1}{4}x + 6$	27) $y = 3x + 2$
28) $y = x + 7$	29) $y = -\frac{8}{3}x + 4$
30) 3	31) y^{11}
32) 6^{15}	33) 4^4
34) $\frac{-4x^7}{5}$	35) $3r^8s^6$
36) $20x^{10}y^{15}$	37) $\frac{9t^8}{4s^6}$

38) w^3	39) $\frac{1}{z^3}$
40) $\frac{y^6}{16z^2}$	41) $\frac{2v^9}{m^{13}}$
42) $-\frac{x^{12}y^{21}}{8}$	43) a) 5.71×10^{-6} b) 7.456×10^{11}
44) 2.09×10^{-4}	45) 1.395×10^3
46) 3.514×10^6	47) 9.0×10^{-14}
48) a) leading term: $-3x^5$; leading coeff: -3 b) degree: 5	49) $-2x^2 - 3x + 2$
50) 10	51) 63