

Learning Center

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Answers for Study Guide for Mat 050 Final Exam

1. a) 160 b) $13/28$ c) 184 d) -81 e) 46 f) $7/64$ g) 24 h) -72
- 2) 0.4167
- 3) 30%
- 4) $8/25$
- 5) 4.8
- 6) 3024 votes
- 7) 32.4%
- 8) 30 minutes to empty a 1000 liter tank
- 9) 10
- 10) $3x^3 + 4x^2$
- 11) $-6x$
- 12) $10n + 6$
- 13) $30x + 288$
- 14) $11x - 35$
- 15) $y = 13.86x + 123$ In 2001, the sales will be approximately 303 billion.
- 16) a) $x = -1, x = -3$ b) $x = 1, x = -2/3$
- 17) a) (2, -2) b) (1, 4)
- 18) a) $n = 20$ b) $x = 20$ c) $x = -3$ d) $n = 2$ e) $a = 2/7$ f) $x = 18$
- 19) a) slope = 1 b) slope = 3 c) $y = 2x + 3$
- 21) a) Selling price is \$35
b) Cost is \$75
c) Sale price is \$360
d) Discount rate is 25%.
e) Interest is \$60
f) Total amount is \$4960.
g) 1.5 years
h) Future value is \$3489.82
i) \$2214.70 deposited

