

MAT 060 – Key Practice Exam Ch 11-12 – F10

1.
 - a. 0
 - b. 10
 - c. 1
 - d. -31
 - e. 35
2.
 - a. $3x$
 - b. $-x^2 + 3x + 7$
 - c. $11x^2 - 4y$
 - d. $a + 5c$
 - e. $-4a + 4b + 3c$
3.
 - a. $9x + 6$
 - b. $28x - 8$
 - c. $3x + 6$
 - d. $-5x + 4$
 - e. $5x^2 - 12x - 32$
4. 22
5. 6
6. -25
7. 1
8. -3
9. $\frac{1}{6}$
10. -5
11. $1\frac{11}{12}$
12.
 - a. $y - 9$
 - b. $\frac{x}{9+x}$
 - c. $(4+x) - 6$
 - d. $2(x+7) + 5$
 - e. $\frac{7x^2}{x-5}$
13. $3x + 4 = 8$ and $x = 1\frac{1}{3}$
14. $\frac{x}{4} = 8$ and $x = 32$
15. $7 - 2x = 13$ and $x = -3$
16. $10x + 20 = 6x$ and $x = -5$
17.
 - a. \$17,000
 - b. \$37,000
 - c. \$308.33 / month
18. \$6436.20
19.
 - a. \$50,000
 - b. \$200,000
 - c. \$8312.50
 - d. \$1169.18 / month
20.
 - a. 15.7 m
 - b. 19.625 m^2
21.
 - a. 25 in
 - b. 35 in^2
22.
 - a. 56.52 m^3
 - b. 714.35 ft^3
23.
 - a. 6.24 cm
 - b. 7.616 in
 - c. 4.9 m