

# Calculus Final Exam Review Answers

## #1-40 (No calculator)

- 1 c
- 2 d
- 3 c
- 4 d
- 5 d
- 6 b
- 7 b
- 8 d
- 9 b
- 10 b
- 11 a
- 12 b
- 13 c
- 14 b
- 15 b
- 16 b
- 17 b
- 18 c
- 19 d
- 20 a
- 21 c
- 22 a
- 23 b
- 24 b
- 25 d
- 26 a
- 27 a
- 28 c
- 29 d
- 30 b
- 31 e
- 32 d
- 33 c
- 34 b
- 35 a
- 36 c
- 37 a
- 38 b
- 39 c
- 40 b

## #41-45 (calculator)

- 41  $\frac{dy}{dx} = \frac{k}{\sqrt{y}}$  ;  $y = (1.5kx + C)^{2/3}$       44      0.509
- 42 43.528%      45      6.961
- 43  $(x^6 + x)2x$