

## Cumulative Test 18 Review Answer Section

### MULTIPLE CHOICE

1. ANS: B                      PTS: 1                      REF: Lesson 85: Surface Area of Cylinders and Prisms  
NAT: NCTM NO.3d                      MSC: C3\_S09\_00011
2. ANS: B                      PTS: 1                      REF: Lesson 87: Scale Drawing Word Problems  
NAT: NCTM AL.2c | NCTM AL.3a                      MSC: C3\_S09\_00015
3. ANS: A                      PTS: 1                      REF: Lesson 86: Volume of Pyramids and Cones  
NAT: NCTM NO.1d                      MSC: C3\_S09\_00027
4. ANS: A                      PTS: 1                      REF: Lesson 46: Solving Problems Using Scientific Notation  
NAT: NCTM NO.1a                      MSC: C3\_S05\_00014
5. ANS: C                      PTS: 1                      REF: Lesson 67: Percent of Change  
NAT: NCTM NO.2a | NCTM NO.3b | NCTM NO.3c                      TOP: End-of-Course Exam  
MSC: C3\_S07\_00051
6. ANS: A                      PTS: 1                      REF: Lesson 68: Probability Multiplication Rule  
NAT: NCTM NO.3d | NCTM NO.2a | NCTM NO.3b | NCTM NO.3c | NCTM DP.4c | NCTM DP.4b | NCTM DP.4a  
TOP: Benchmark Test 3                      MSC: C3\_S07\_00052
7. ANS: D                      PTS: 1                      REF: Lesson 73: Formulas for Sequences  
NAT: NCTM GM.2a | NCTM GM.2b | NCTM ME.2c                      MSC: C3\_S08\_00029
8. ANS: D                      PTS: 1                      REF: Lesson 75: Area of a Trapezoid  
NAT: No Correlation                      MSC: C3\_S08\_00009
9. ANS: D                      PTS: 1                      REF: Lesson 78: Products of Square Roots  
NAT: No Correlation                      MSC: C3\_S08\_00015
10. ANS: C                      PTS: 1                      REF: Lesson 90: Sets  
NAT: NCTM PS.3                      TOP: Benchmark Test 3                      MSC: C3\_S09\_00056
11. ANS: A                      PTS: 1                      REF: Lesson 60: Area of a Parallelogram  
NAT: NCTM GM.3b | NCTM GM.2a | NCTM ME.2e                      TOP: Benchmark Test 2  
MSC: C3\_S06\_00068
12. ANS: A                      PTS: 1                      REF: Lesson 51: Negative Exponents; Scientific Notation for Small Numbers  
NAT: NCTM ME.1a | NCTM ME.1b                      MSC: C3\_S06\_00023
13. ANS: A                      PTS: 1                      REF: Investigation 5: Graphing Transformations  
NAT: NCTM GM.3b | NCTM GM.2a | NCTM GM.2 | NCTM ME.2e  
TOP: Benchmark Test 2                      MSC: C3\_S05\_00049
14. ANS: D                      PTS: 1                      REF: Lesson 50: Solving Multi-Step Equations  
NAT: NCTM NO.3b | NCTM NO.3c                      TOP: Benchmark Test 3  
MSC: C3\_S05\_00066
15. ANS: C                      PTS: 1                      REF: Lesson 21: Distributive Property; Order of Operations  
NAT: NCTM NO.3c | NCTM PS.3                      TOP: Benchmark Test 3  
MSC: C3\_S03\_00052

### NUMERIC RESPONSE

16. ANS: 1/12  
PTS: 1                      REF: Lesson 83: Probability of Dependent Events

NAT: NCTM DP.4c | NCTM DP.4b | NCTM DP.4a  
MSC: C3\_S09\_00064

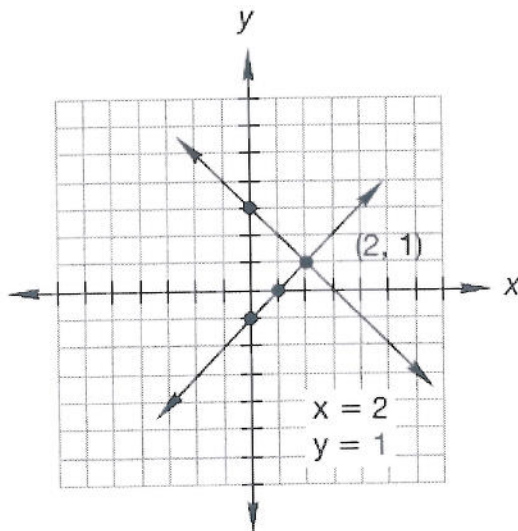
TOP: Cumulative Test 22

17. ANS: 3.2

PTS: 1 REF: Lesson 44: Solving Proportions Using Cross Products; Slope of a Line  
NAT: NCTM NO.3b TOP: Cumulative Test 12  
MSC: C3\_S05\_00079

## PROBLEM

18. ANS:



PTS: 1 REF: Lesson 89: Solving Problems with Two Unknowns by Graphing  
NAT: NCTM GM.2 | NCTM PS.3 TOP: Cumulative Test 19  
MSC: C3\_S09\_00082

19. ANS:

$41\frac{2}{3}\%$ ,  $0.14\bar{6}$

PTS: 1

REF: Lesson 63: Rational Numbers, Non-Terminating Decimals, and Percents; Fractions with Negative Exponents  
NAT: NCTM NO.1b | NCTM NO.3d | NCTM AL.4a | NCTM ME.2e | NCTM ME.2f  
TOP: Cumulative Test 13 MSC: C3\_S07\_00074

20. ANS:

$4\sqrt{3}$

PTS: 1 REF: Lesson 74: Simplifying Square Roots  
NAT: NCTM GM.4b | NCTM ME.2d MSC: C3\_S08\_00033