

Unit 7.1

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|-----------|---------------------------------------|-----------|------------|----------|----------|
| 1. a) no | b) yes; addition property of equality | c) no | | | |
| | d) yes; subtraction of equality | e) no | | | |
| 2. a) yes | b) no | c) no | d) yes | e) no | f) no |
| | g) yes | h) no | i) no | j) yes | k) no |
| | l) yes | | | | |
| | m) no | n) yes | 3. a) true | b) false | c) true |
| | | | | | d) false |
| 4. b | 5. 16 | 6. Morgan | | | |

Unit 7.2

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|---------|-------|-------|-----------|-------------------|---------|
| 1. a) 2 | b) 18 | c) 19 | d) -13 | 2. a) 4 | b) 2 |
| | c) 73 | d) 1 | e) -22 | f) $4\frac{1}{3}$ | g) -4.8 |
| | | | | h) -6.7 | |
| 3. 30 | 4. 7 | 5. b | 6. 24, 12 | 7. no; 5 | |

Unit 7.3

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|----------|-------|-------|-------------|---------|--------|
| 1. a) 27 | b) 15 | c) 83 | d) 8 | 2. a) 6 | b) 4 |
| | c) 31 | d) 3 | e) 18 | f) 27 | g) 3.1 |
| | | | | h) 13.1 | |
| 3. 11 | 4. 21 | 5. c | 6. 5 and 10 | 7. yes | |

Unit 7.4

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|----------------|-------|---------|-------|----------|-------|
| 1. a) 7 | b) 3 | c) 9 | d) -8 | 2. a) 15 | b) 33 |
| | c) 10 | d) 19 | e) 26 | f) 13 | g) 9 |
| | | | | h) 12 | |
| 3. $5n=35$; 7 | 4. c | 5. 12 m | 6. no | 7. yes | |

Unit 7.5

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|-----------|--------|---------------|--------|----------|--------|
| 1. a) 200 | b) 300 | c) 180 | d) -24 | 2. a) 99 | b) 12 |
| | c) 54 | d) 132 | e) 80 | f) 128 | g) 150 |
| | | | | h) 49 | |
| 3. b | 4. d | 5. \$50; \$25 | 6. yes | | |

Unit 7.6

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|---------------------------|--------------------------|-----------------------------|
| 1. a) $x+12=80$; 68 inch | b) $29+x=49$; 20 degree | c) $x-8=43$; 51 years |
| | d) $5x=40$; 8 ft | e) $4x=752$; 188 |
| | | f) $\frac{r}{3}=12$; 36 lb |
| 2. 23 years | 3. d | 4. 16 |
| | | 5. $x+19=42$; 23 miles |

Unit 7.7

1. yes
2. no
3. a) 7 b) 2 c) 3 d) 1
4. $273^0, 100+273=373^0, 37+273=310^0$
5. $x=6, y=3, z=9$
6. about 386 miles
7. 8 cm